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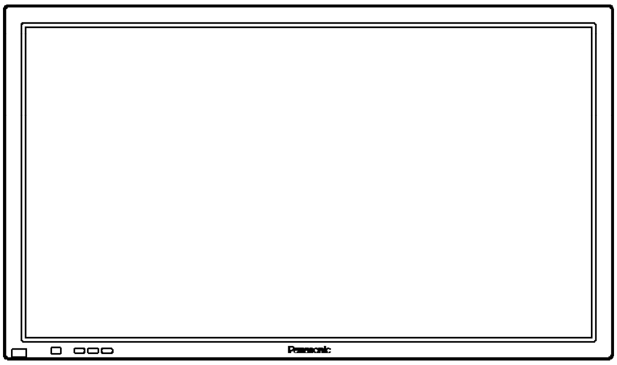
D10 Canada:B07

Service Manual

Wide Plasma Display

TH-42PHD5 / TH-42PHW5

GPH5D Chassis



SPECIFICATIONS

Specifications

Power Source:	AC120V 50/60Hz (UY/UZ version)
	AC220-240V 50/60Hz
	(Except UY/UZ version) model)
Power Consumption:	375 W
	2.4W (stand-by condition)
	(UY/UZ version)
	3.0W (stand-by condition)
	(Except UY/UZ version model)
	0.9W (Power off condition)
	(UY/UZ version model)
	1.7W (Power off condition)
	(Except UY/UZ version model)
Plasma Display panel:	Drive method AC type
	50-inch, 16:9 aspect ratio
Contrast Ratio	3000:1
Screen size:	920 mm (W)×518 mm (H)
	1,056 mm (diagonal)
	No. of pixels
	786,432 (1,024 (W)×768 (H))
	[3,072×768 dots]
Operating condition:	
Temperature	34 °F - 104 °F (0 °C - 40 °C)
Humidity	20 % - 80 %

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Horizontal scanning frequency 15.6 - 110kHz

Vertical scanning frequency 48 - 120Hz

Connection terminals:	
AV	
Video in	1.0 Vp-p (75-ohm)
S-VIDEO IN / (MINI DIN 4PIN)	Y: 1 Vp-p (75-ohm), C: 0.286 Vp-p (75-ohm)
AUDIO IN / (RCA PIN JACK × 2)	0.5 Vrms (high impedance)
COMPONENT/RGB	
Y/G	1.0 Vp-p/composite (75-ohm)
	0.7 Vp-p/non-composite (75-ohm)
PB /B	0.7 Vp-p (75-ohm)
PR /R	0.7 Vp-p (75-ohm)
HD	1.0 - 5.0 Vp-p (high impedance)
VD	1.0 - 5.0 Vp-p (high impedance)
AUDIO IN (RCA PIN JACK×2)	0.5 Vrms (high impedance)
PC	
(HIGH-DENSITY D-SUB15PIN)	R,G,B/0.7 Vp-p (75-ohm)
	HD, VD/1.0 - 5.0 Vp-p (high impedance)
AUDIO IN (M3 JACK)	0.5Vrms (high impedance)
SERIAL	
EXTERNAL CONTROL TERMINAL (D-SUB9PIN)	RS-232C COMPATIBLE
SPEAKERS (External speakers)	6 Ω 16W [8W+8W] (10% THD)
Dimensions (W×H×D):	40.2” (1,020 mm)×24” (610mm)×3.5” (89 mm)
Weight (Mass)	approx. 66.1 lbs (29.5 kg) (main unit only)
	approx. 75.4 lbs (33.7kg) (with speakers)

Panasonic®

1. Applicable signals

VIDEO input

	signal name	horizontal frequency(kHz)	vertital frequency(Hz)
1	NTSC	15.734	59.95
2	PAL	15.625	50
3	PAL60	15.734	59.95
4	SECAM	15.625	50
5	Modified NTSC	15.734	59.95

∗ Mark:
By installing the optional
Terminal Board.

COMPONENT/RGB/PC/DVI input

	signal name	horizontal frequency(kHz)	vertital frequency(Hz)	COMPONENT	RGB	PC	DVI
1	525(480)/60i	15.734	59.94	∗	∗	∗	
2	625(575)/50i	15.625	50	∗	∗	∗	
3	525(480)/60p	31.468	59.94	∗	∗		
4	625(575)/50p	31.25	50	∗	∗	∗	
5	750(720)/60p	45	60	∗	∗	∗	
6	1125(1080)/60i	33.75	60	∗	∗	∗	
7	1125(1080)/50i	28.125	50	∗	∗	∗	
8	1125(1080)/24p	27	24	∗	∗	∗	
9	1125(1080)/24sF	27	48	∗	∗	∗	
10	640 × 400@70	31.5	70		∗	∗	
11	640 × 480@60	31.5	59.94		∗	∗	∗
12	Macintosh13"(640 × 480)	35	67		∗	∗	
13	640 × 480@75	37.5	75		∗	∗	
14	852 × 480@60	31.7	60		∗	∗	∗
15	800 × 600@60	37.9	60		∗	∗	∗
16	800 × 600@75	46.9	75		∗	∗	
17	800 × 600@85	53.7	85		∗	∗	
18	Macintosh16"(832 × 624)	49.7	75		∗	∗	
19	1,024 × 768@60	48.4	60		∗	∗	∗
20	1,024 × 768@70	56.5	70		∗	∗	
21	1,024 × 768@75	60	75		∗	∗	
22	1,024 × 768@85	68.7	85		∗	∗	
23	Macintosh21"(1,152 × 870)	68.7	75		∗	∗	
24	1,280 × 1,024@60	64	60		∗	∗	
25	1,280 × 1,024@75	80	75		∗	∗	
26	1,280 × 1,024@85	91.1	85		∗	∗	
27	1,600 × 1,200@60	75	60		∗	∗	

2. Safety Precautions

2.1. General Guidelines

1. **When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.**
2. **After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.**
3. **After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.**

2.1.1. Leakage Current Cold Check

1. **Unplug the AC cord and connect a jumper between the two prongs on the plug.**
2. **Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When**

the exposed metallic part has a return path to thechassis, the reading should be between 1M Ω and 5.2M Ω . / When the exposed metal does not have a return path to the chassis, the reading must be∞.

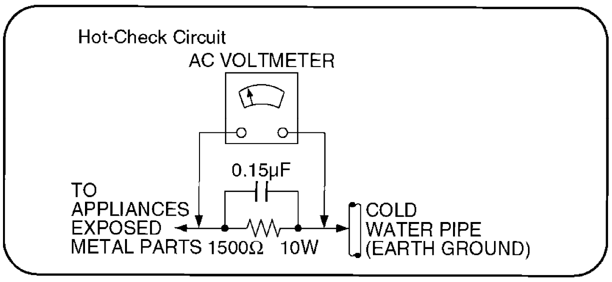

Hot-Check Circuit
AC VOLTMETER
0.15μF
TO APPLIANCES EXPOSED METAL PARTS
1500Ω 10W
COLD WATER PIPE (EARTH GROUND)

Figure 1

2.1.2. Leakage Current Hot Check (See Figure 1 .)

1. **Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.**
2. **Connect a 1.5k Ω , 10 watts resistor, in parallel with a 0.15 μ F capacitors, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure 1 .**
3. **Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.**
4. **Check each exposed metallic part, and measure the voltage at each point.**
5. **Reverse the AC plug in the AC outlet and repeat each of the above measurements.**
6. **The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 or equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliamp. In case a measurement is outsideof the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.**

3. Prevention of Electro Static Discharge (ESD) to Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistorsand semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electro static discharge (ESD).

1. **Immediately before handling any semiconductor component or**

semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, whichshould be removed for potential shock reasons prior to applying power to the unit under test.

2. **After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as alminum foil, to prevent electrostatic charge buildup or exposure of the assembly.**
3. **Use only a grounded-tip soldering iron to solder or unsolder ES devices.**
4. **Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static (ESD protected)" can generate electrical charge sufficient to damage ES devices.**
5. **Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.**
6. **Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, alminum foil or comparableconductive material).**
7. **Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.**

   Caution

   Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. **Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise hamless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient todamage an ES device).**

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are imporant for safety. These parts are marked by ⚠ in the schematic diagrams, Exploded Views and replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.

4. About lead free solder (PbF)

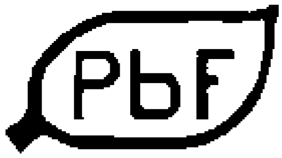
Note: Lead is listed as (Pb) in the periodic table of elements.

In the information below, Pb will refer to Lead solder, and PbF will refer to Lead Free Solder.

The Lead Free Solder used in our manufacturing process and discussed below is (Sn+Ag+Cu). That is Tin (Sn), Silver (Ag) and (Cu) although other types are available.

This model uses Pb Free solder in it’s manufacture due to environmental conservation issues. For service and repair work, we’d suggest the use of Pb free solder as well, although Pb solder may be used.

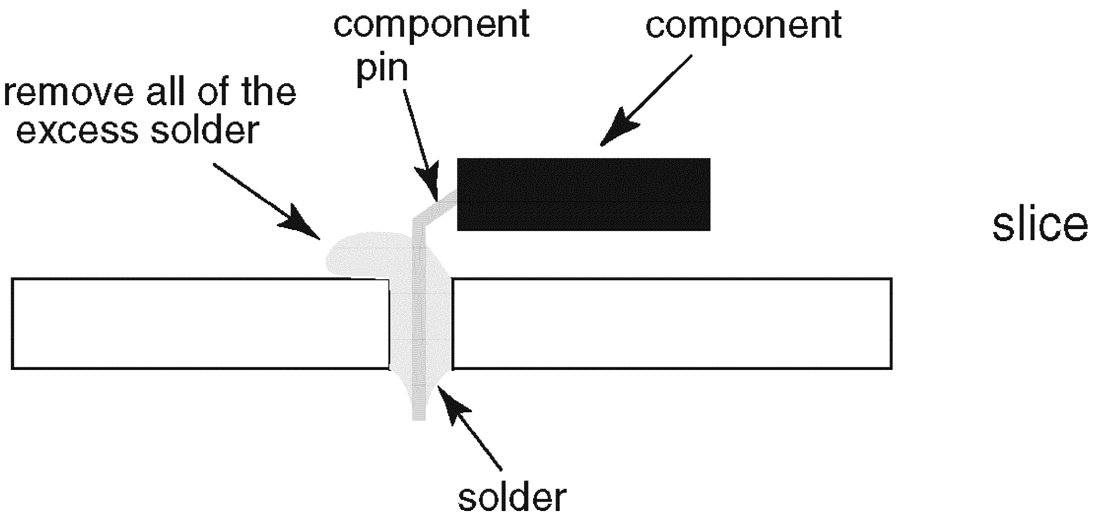
PCBs manufactured using lead free solder will have the PbF within a leaf Symbol stamped on the back of PCB.



Caution

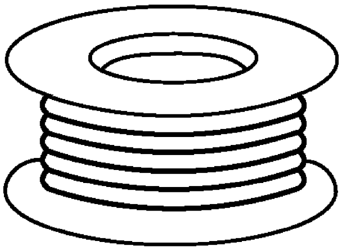
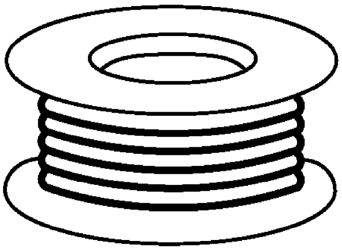
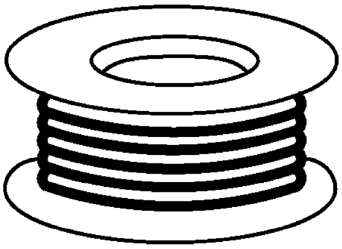
- Pb free solder has a higher melting point than standard solder. Typically the melting point is 50 ~ 70 °F (30 ~ 40°C) higher. Please use a high temperature soldering iron and set it to 700 ± 20 °F (370 ± 10 °C).
- Pb free solder will tend to splash when heated too high (about 1100 °F or 600 °C).

  If you must use Pb solder, please completely remove all of the Pb free solder on the pins or solder area before applying Pb solder. If this is not practical, be sure to heat the Pb free solder until it melts, before applying Pb solder.
- After applying PbF solder to double layered boards, please check the component side for excess solder which may flow onto the opposite side. (see figure below)



Suggested Pb free solder

There are several kinds of Pb free solder available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also beused.

0.3mm X 100g	0.6mm X 100g	1.0mm X 100g
		

5. PCB Structure sheet of GPH5D chassis

Board Name	Function	Remarks
D1	Format Converter	1
D2	Plasma AI Sub-Field Processor	1
Z	Audio out	
SS	Sustain out	1
SC	Scan out	1
SU	Sustain connection (Upper)	1
SD	Sustain connection (Lower)	1
C1	Data Drive (Upper Left)	
C2	Data Drive (Upper Right)	
C3	Data Drive (Lower Right)	
C4	Data Drive (Lower Left)	
H3	Speaker terminal	
S1	Power switch	
SS2	Sustain connection (Upper)	
SS3	Sustain connection (Lower)	
V1	Front SW. & Remote receiver	
F	Line filter	
P	Power supply	1
P3	Drive voltage oscillator	
P5	Primary oscillator	
P6	PFC oscillator	
P7	Drive voltage protection	
P8	Process voltage protection	
HX	PC_type_Input terminal	
HY	BNC_type_Input terminal	2
HZ	RCA type_Input terminal	3

Remarks

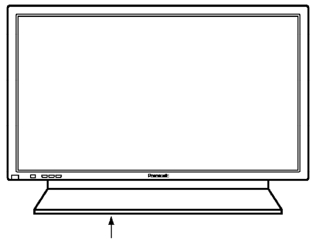
1. Recommend PCB's for initial service for GPH5D chassis.

2. For System model except BX, EX version

3. For Consumer model except BX, EX version

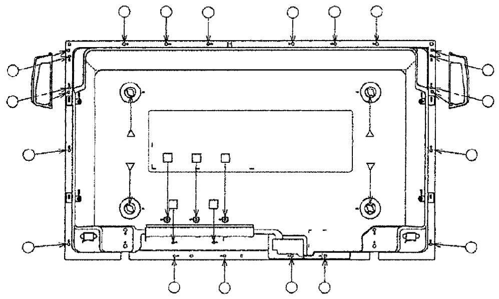
6. Service Hint

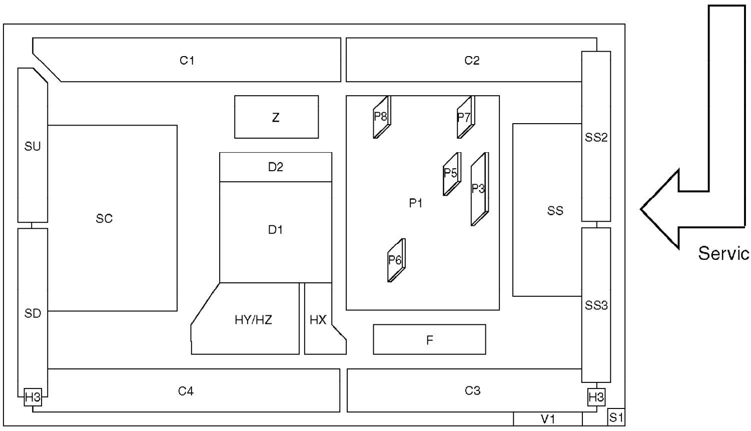
Stand the Unit used for Optional Accessory



Optional Accessory
(Pedestal)

Remove the Back Cover

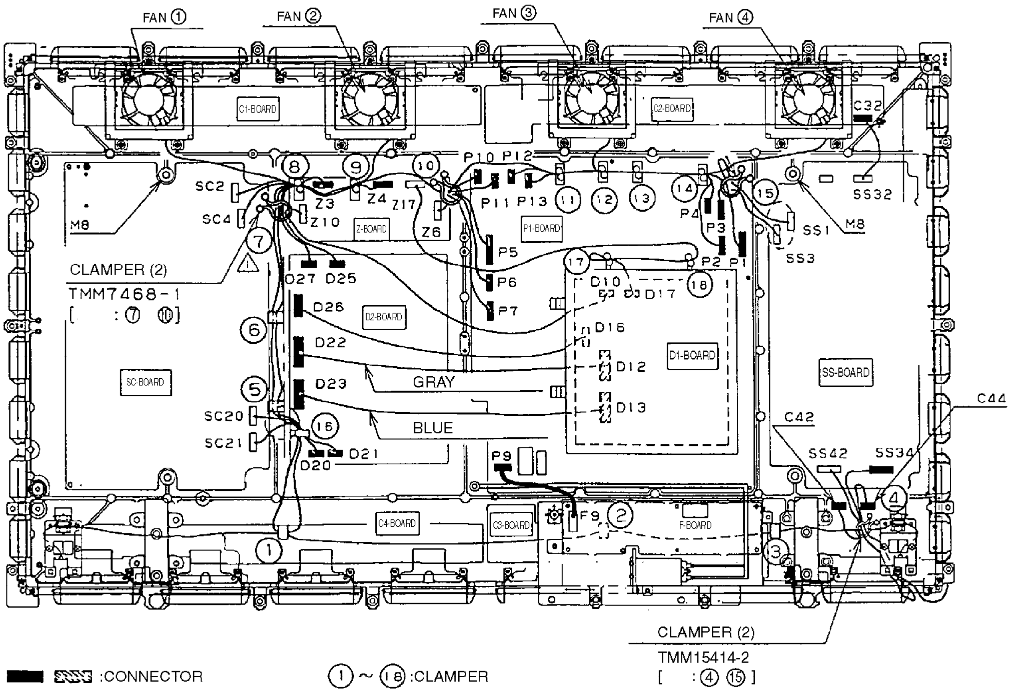



C1
C2
SU
Z
P8
P7
SS2
D2
P5
P3
SC
P1
SS
D1
P6
SD
SS3
HY/HZ
HX
F
H3
C4
C3
H3
V1
S1

Remove: 4 screws (△) XYN8+F20FZ
5 screws (□) THEL023Z
18 screws (○) XYC4+FJ35FZ

Service Position

7. Location of Lead Wiring


FAN ①
FAN ②
FAN ③
FAN ④
C1-BOARD
C2-BOARD
C32
SC2
SC4
M8
⑧
⑨
⑩
Z3
Z4
Z17
Z10
Z-BOARD
Z6
P10
P12
P11
P13
⑪
⑫
⑬
⑭
⑮
P1-BOARD
P4
P3
P2
P1
SS32
SS1
M8
SS3
⑦
CLAMPER (2)
TMM7468-1
[:⑦ ⑩]
D27
D25
D26
D2-BOARD
⑥
D22
D23
⑤
GRAY
BLUE
P5
P6
P7
⑰
D10
D17
⑯
D16
D12
D13
D1-BOARD
SS-BOARD
SC-BOARD
SC20
SC21
⑯
D21
D20
P9
C42
C44
SS42
SS34
④
C4-BOARD
C3-BOARD
F9
②
F-BOARD
③
①
CLAMPER (2)
TMM15414-2
[:④ ⑮]
:CONNECTOR
① ~ ⑱ :CLAMPER

CLAMPER CON:NO — CON:NO	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	⑮	⑯	⑰	⑱	Remark
Z6 —— P6										○									
Z10 —— D10							○	○											
Z17 —— D17																	◎	○	GRAY
D12 —— D22																			BLUE
D13 —— D23																			
D16 —— D26																			
D25 —— P5							○	○	○	○									
D27 —— P7							○	○	○	○									
SC2 —— P2								○	●	○	○	○	○	○					
SC4 —— P4								○	●	○	○	○	○	○					
SC20 —— D20																○			
SC21 —— D21																○			
H37 —— Z3	○				○	○	○	○								○			
H37 —— Z4	○	○	○	○	○	○	○	○	○							○			
SS1 —— P1															◎				
SS3 —— P3															○				
SS32 —— C32																			
SS42 —— C42				○															
ESC POWER —— SS34				○															
ESC V-BOARD —— C44				○															
F9 —— P9																			
FAN - ① —— P10								○	●	○									
FAN - ② —— P11								◎	◎	○									
FAN - ③ —— P12											○	○	◎	◎					
FAN - ④ —— P13											○	○	○	◎					

◎ Wind up second times. ● Wind up third times.

8. Adjustment Procedure

8.1. +B Set-up

8.1.1. Item / Preparation

1. Input a Grey scale signal.

2. Set the picture controls: -
Picture mode: Normal
White balance: Normal

8.1.2. Adjustments

Adjust and confirm indicated test point for the specified voltage.

Adjust

Name	Test point	Voltage	Volume
PFC	P24 pin 1	400V ±1V	R548
Vsus	P1 pin 2	175V ±1V	R639
Vda	P3 pin 1	75.0V ±0.5V	R545

Confirm

Name	Test point	Voltage
+18V	P4 pin 1	17.2V ±0.5V
+13.5V	P5 pin 1	13.2V ±0.5V
Audio +15V	P6 pin 1	13.5V ±0.5V
Audio -15V	P6 pin 3	-13.5V ±0.5V
5.25V	P5 pin 5	5.1V ±0.3V
STB5V	P7 pin4	5.0V ±0.3V

8.2. Driver Set-up

8.2.1. Item / Preparation

1. Input an APL 100 % white signal.

2. Set the picture controls: -
Picture mode: Normal
White balance: Cool
Aspect: 16:9

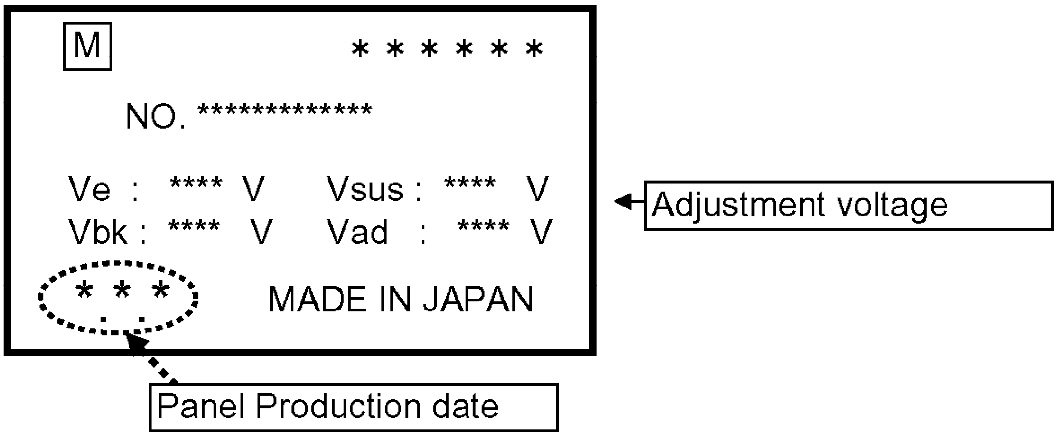
8.2.2. Adjustments

Adjust driver section voltages referring the panel data on the panel data label.

Name	Test point	Voltage	Volume
Vsus	**TPVSUS (SS-BOARD)**	**Vsus ±1V***	**R639 (P3-BOARD)**
Vbk	**TPVBK (SC-BOARD)**	**Vbk ±5V***	**R6670 (SC-BOARD)**
Ve	**TPVE (SS-BOARD)**	**Ve ±1V***	**R6770 (SS-BOARD)**
Vset	**TPVSET (SC-BOARD)**	**218 V ±6V**	**---**
Vad	**TPVAD (SC-BOARD)**	**Vad ±1V***	**R6477 (SC-BOARD)**
Vda	**TPVDA (SS-BOARD)**	**74V±1V**	**R545 (P1-BOARD)**
Vscn	**TPVSCN (SC-BOARD)**	**Vad+118±2V**	**---**

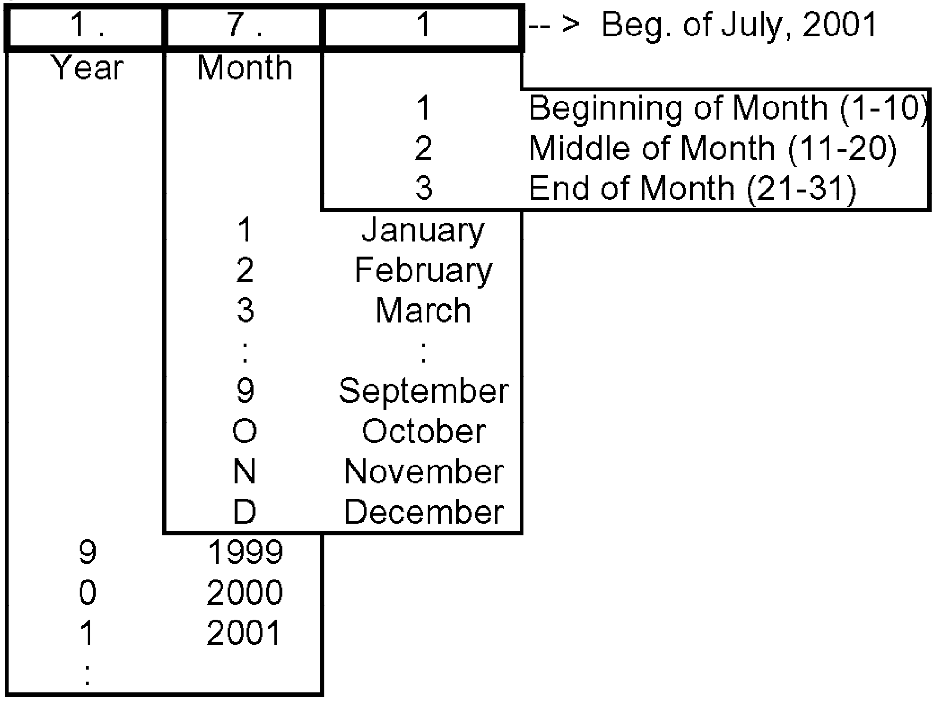
***See the Panel label.**

Panel Label information


M
* * * * * *
NO. *************
Ve : **** V
Vsus : **** V
Vbk : **** V
Vad : **** V
* * *
MADE IN JAPAN
Adjustment voltage
Panel Production date

Panel Production date

For Example


1 .
7 .
1
-- > Beg. of July, 2001
Year
Month
1 Beginning of Month (1-10)
2 Middle of Month (11-20)
3 End of Month (21-31)
1 January
2 February
3 March
:
9 September
O October
N November
D December
9 1999
0 2000
1 2001
:

8.3. Initialization Pulse Adjust

1. Input a Cross hatch signal.

2. Set the picture controls: -
Picture mode: Normal
White balance: Cool

Adjust the indicated test point for the specified wave form.

	Test point	Volume	Level
T1	**TPSC1 (SC)**	**R6523 (SC)**	**0 Sec**
T2	**TPSC1 (SC)**	**R6557 (SC)**	**170 ± 10 μ Sec**

8.4. P.C.B. (Printed Circuit Board) exchange

8.4.1. Caution

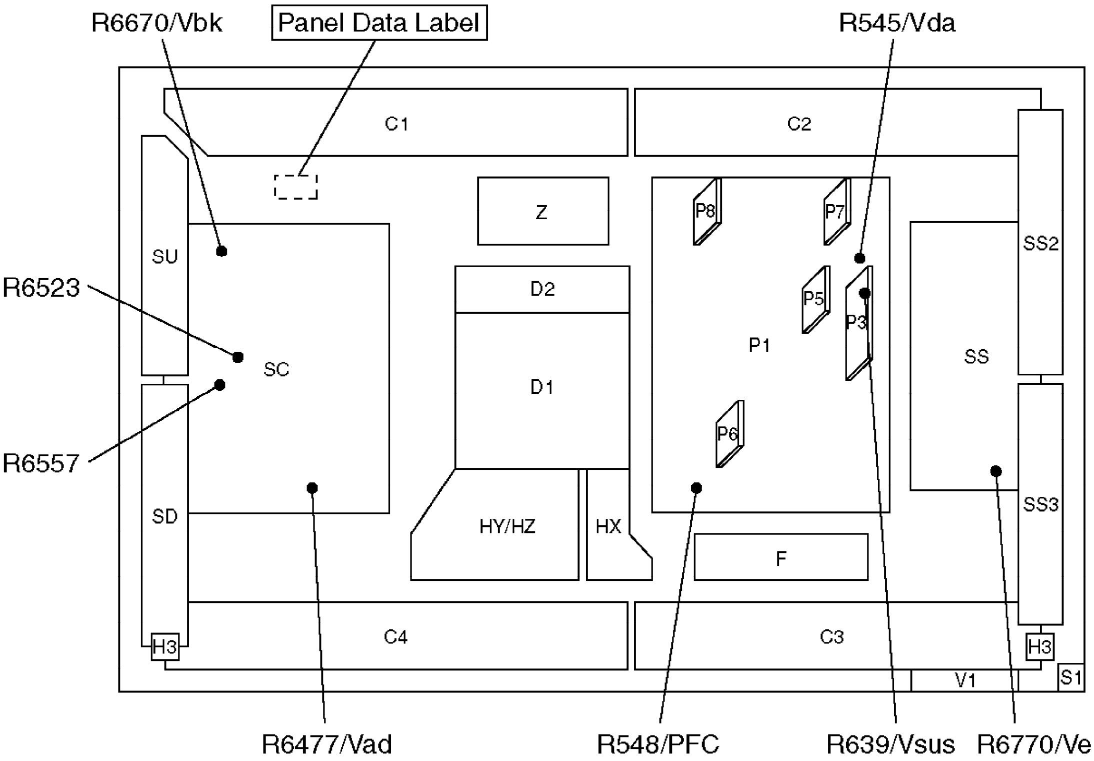
1. To remove P.C.B. , wait 1 minute after power was off for discharge from electrolysis capacitors.

8.4.2. Quick adjustment after P.C.B. exchange

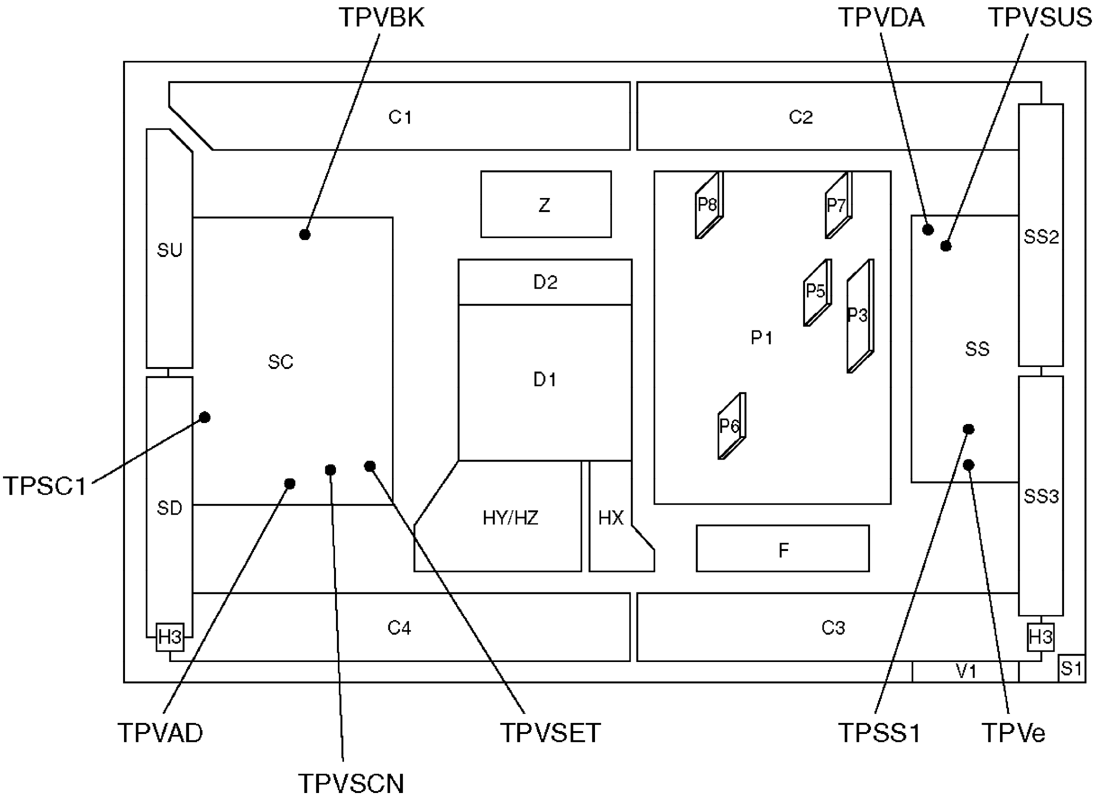
P.C.B.	Item	Volume	Test point	Level
P board	**PFC**	**R548 (P3)**	**P24 connector pin 1**	**400V ± 1V**
	Vsus	**R639 (P3)**	**TPVsus (SS)**	**Vsus ± 1V***
	Vda	**R545 (P1)**	**TPVDA (SS)**	**74V ± 1V**
SC board	**Vad**	**R6477 (SC)**	**TPVAD (SC)**	**Vad ± 1V***
	Vbk	**R6670 (SC)**	**TPVBK (SC)**	**Vbk ± 5V***
SS board	**Ve**	**R6770 (SS)**	**TPVE (SS)**	**Ve ± 1V***
D1, D2 board	**White balance, Pedestal and Sub brightness for NTSC, PAL, HD, PC and 625i signals.**			

***See the Panel label.**

8.5. Adjustment Volume Location


R6670/Vbk
Panel Data Label
R545/Vda
C1
C2
Z
P8
P7
SU
SS2
R6523
D2
P5
P3
P1
SS
SC
D1
R6557
P6
SD
HY/HZ
HX
F
SS3
C4
C3
H3
H3
V1
S1
R6477/Vad
R548/PFC
R639/Vsus
R6770/Ve

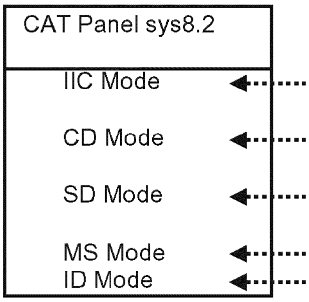
8.6. Test Point Location


TPVBK
TPVDA
TPVSUS
C1
C2
Z
P8
P7
SU
SS2
D2
P5
P3
P1
SS
SC
D1
P6
TPSC1
SD
SS3
HY/HZ
HX
F
C4
C3
H3
H3
V1
S1
TPVAD
TPVSET
TPSS1
TPVe
TPVSCN

9. Service mode

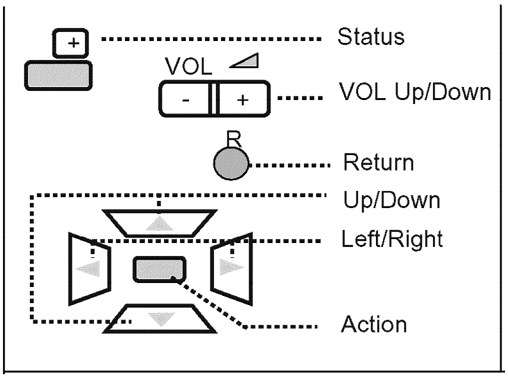
9.1. CAT (computer Aided Test) mode

CAT mode menu


CAT Panel sys8.2
IIC Mode
CD Mode
SD Mode
MS Mode
ID Mode

Mode	Function	Access button
IIC	Service Alignment	Action
CD(Complete Diagnostics)	Software version information EEPROM edit	Mute more than 5 seconds
SD(Status Display)	MTBF parameter	Action
MS Mode	Not use	-----
ID	Not use	-----

Remote control


Status
VOL
VOL Up/Down
R
Return
Up/Down
Left/Right
Action

How to access the CAT mode.

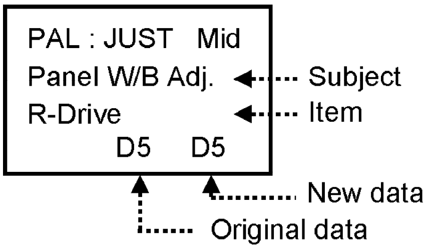
Press and the hold the Volume down / - buton on the front panel of the unit and press the status button on the remote control 3 times quickly within 1 second, this will place the unit into the CAT mode.

To exit the CAT mode , access the ID mode and switch off the main power.

9.1.1. IIC mode

Select the IIC mode by Up/Down button on the remote control at the front page of CAT mode then press the Action button on the remote control.

OSD


PAL : JUST Mid
Panel W/B Adj.
R-Drive
D5 D5
Subject
Item
New data
Original data

How to use the IIC mode.

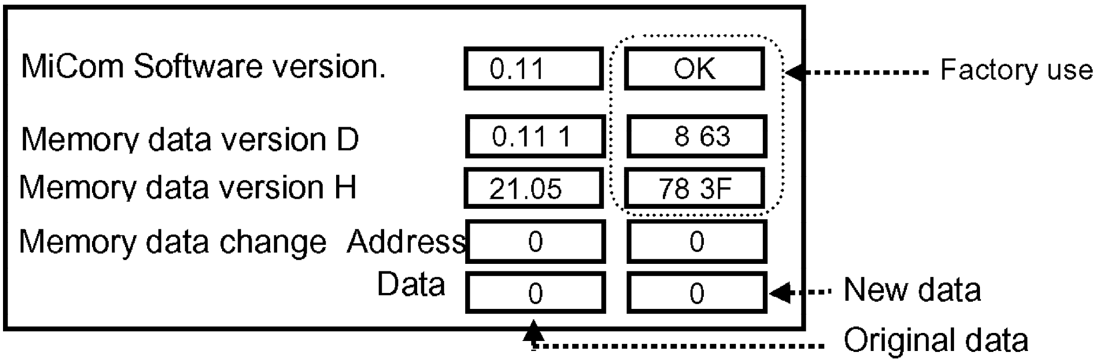
1. Select the alignment **Subject** by **Up/Down buttons** on the remote control.
2 .Select the alignment **Item** by **Left/Right buttons** on the remote control.
3. Adjust **optimum setting** by **Volume Up/Down buttons** on the remote control.
4. The **data is memorized** when press the **R button** on the remote control or change the alignment Subject (or Items).

Subject and item are mentioned on page 14.
To exit the IIC mode, press the R button on the remote control.

9.1.2. CD mode

Select the CD mode by Up/Down button on the remote control at the front page of CAT mode then press the Mute button on the remote control more than 5 sec.

OSD

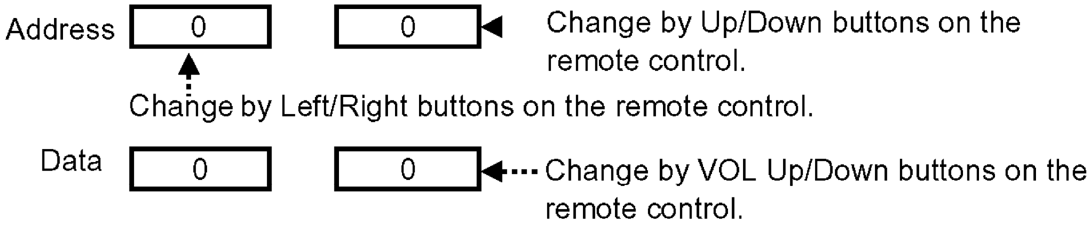

MiCom Software version.
0.11
OK
Factory use
Memory data version D
0.11 1
8 63
Memory data version H
21.05
78 3F
Memory data change Address
0
0
Data
0
0
New data
Original data

Micom software version (IC9354), this version can be upgrade by

1. replace of new version IC

2. Loading the new version software from loader tool, TZSC07036.

Memory data change


Address
0
0
Change by Up/Down buttons on the remote control.
Change by Left/Right buttons on the remote control.
Data
0
0
Change by VOL Up/Down buttons on the remote control.

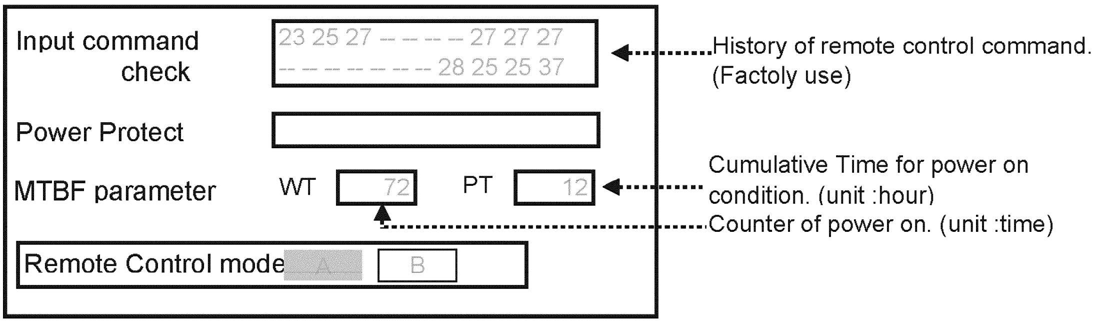
The data is memorized when switch off the main power.

To exit the CD mode, press the R button on the remote control.

9.1.3. SD mode

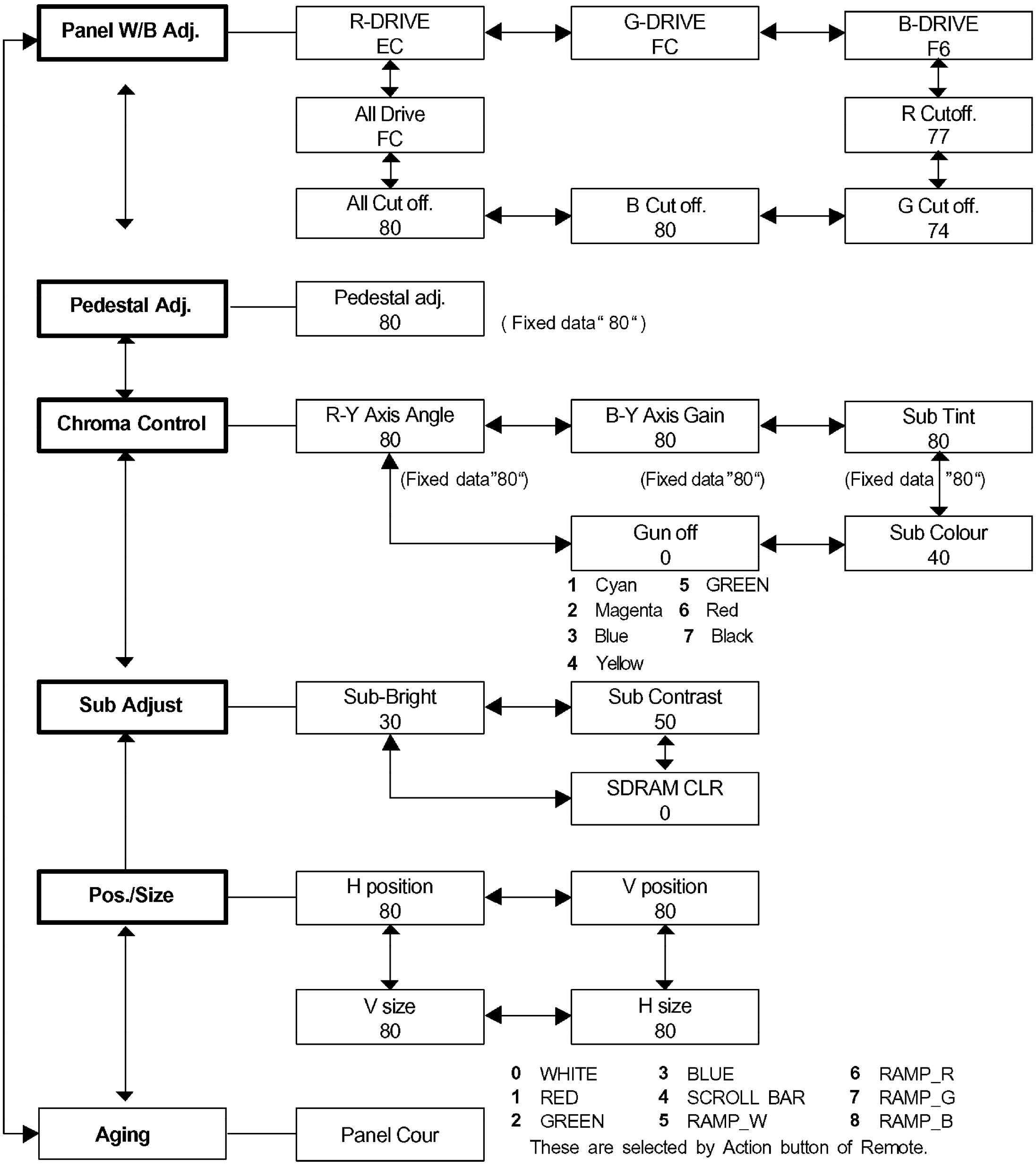
Select the SD mode by Up/Down button on the remote control at the front page of CAT mode then press the Action button on the remote control.

OSD


Input command check
23 25 27 -- -- -- -- 27 27 27
-- -- -- -- -- -- -- 28 25 25 37
History of remote control command. (Factoly use)
Power Protect
MTBF parameter
WT
72
PT
12
Cumulative Time for power on condition. (unit :hour)
Counter of power on. (unit :time)
Remote Control mode
A
B

To exit the SD mode, press the R button on the remote control.

9.2. IIC mode structure (following items value is sample data.)


Panel W/B Adj.
R-DRIVE
EC
G-DRIVE
FC
B-DRIVE
F6
All Drive
FC
R Cutoff.
77
All Cut off.
80
B Cut off.
80
G Cut off.
74
Pedestal Adj.
Pedestal adj.
80
(Fixed data" 80")
Chroma Control
R-Y Axis Angle
80
B-Y Axis Gain
80
Sub Tint
80
(Fixed data"80")
(Fixed data"80")
(Fixed data "80")
Gun off
0
Sub Colour
40
1 Cyan
5 GREEN
2 Magenta
6 Red
3 Blue
7 Black
4 Yellow
Sub Adjust
Sub-Bright
30
Sub Contrast
50
SDRAM CLR
0
Pos./Size
H position
80
V position
80
V size
80
H size
80
Aging
Panel Cour
0 WHITE
3 BLUE
6 RAMP_R
1 RED
4 SCROLL BAR
7 RAMP_G
2 GREEN
5 RAMP_W
8 RAMP_B
These are selected by Action button of Remote.

10. Alignment

10.1. Pedestal setting

Note:
OSD is the difference between UY/UZ model and Except UY/UZ model. / Picture:Normal (Except UY/UZ) /Standard (UY/UZ model) / White balance (Except UY/UZ)/Color Temp (UY/UZ model)

10.2. NTSC panel white balance

10.3. PAL/SECAM panel white balance

10.4. PC/RGB panel white balance

10.5. HD/ 525i /525p panel white balance

10.6. 625i panel balance

10.7. Sub brightness setting

11. Troubleshooting guide

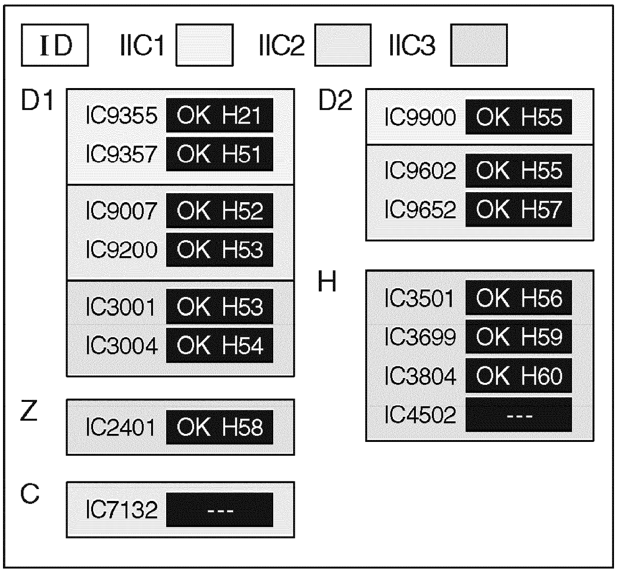
11.1. Self Check

11.1.1. Display Indication

1. **Self-check is used to automatically check the bus line controlled circuit of the Plasma display.**
2. **To get into the Self-check mode, press the volume down button on the customer controls at the front of the set, at the same time pressing the OFF-TIMER button on the remote control, and the screen will show :-**

If the CCU ports have been checked and found to be incorrect
Or not located then " - - " will appear in place of " OK "

Note:
In case of disconnected of H/HY/HZ “IC3699 - -” is displayed.



ID IIC1 IIC2 IIC3

D1
IC9355 OK H21
IC9357 OK H51
IC9007 OK H52
IC9200 OK H53
IC3001 OK H53
IC3004 OK H54

D2
IC9900 OK H55
IC9602 OK H55
IC9652 OK H57

H
IC3501 OK H56
IC3699 OK H59
IC3804 OK H60
IC4502 ---

Z
IC2401 OK H58

C
IC7132 ---

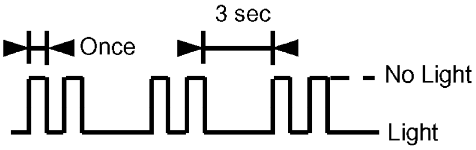
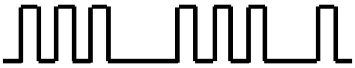
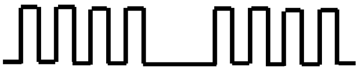
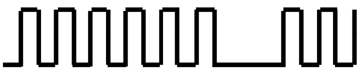
11.1.2. Power LED Blinking timing chart

1. Subject

Information of LED Flashing timing chart.

2. Contents

When an abnormality has occurred the unit, the protection circuit operates and reset to the stand by mode. At this time, the defective block can be identified by the number of blinkes of the Power LED on the front panel of the unit.

Blinking times	Blink timing	Contents & Check point
Twice		SC,SS,C board
Three		D board
Four		P board (Check P7,P8 protection circuits)
Six		Fan circuit / Fan stop Check Pin3 of P10 to P13 connectors.

3. Remarks

Above Fan function is operated during the fans are installed.

11.2. No Power

[First check point]

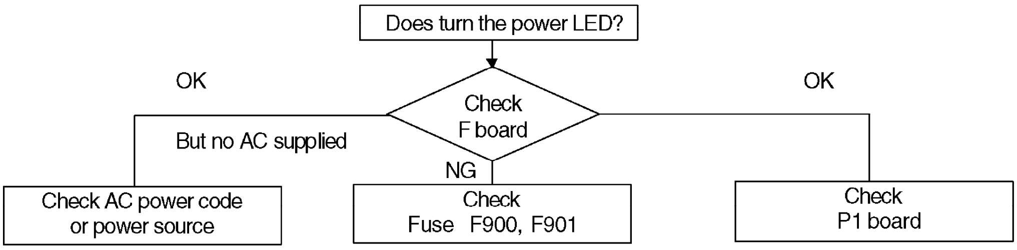
There are following 3 states of No Power indication by power LED.

1. No lit

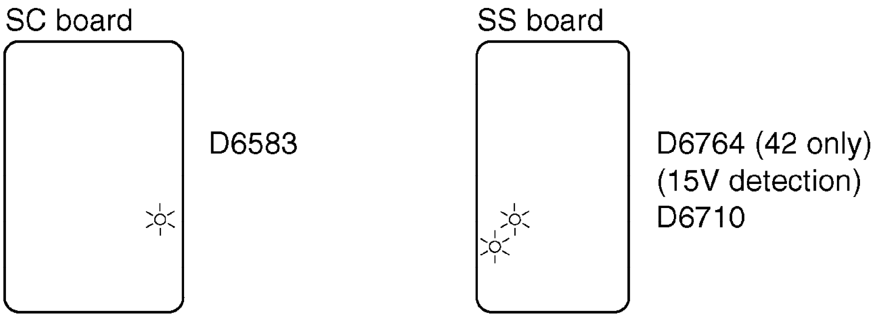
2. Green is lit then turns red blinking a few seconds later.

3. Only red is lit.

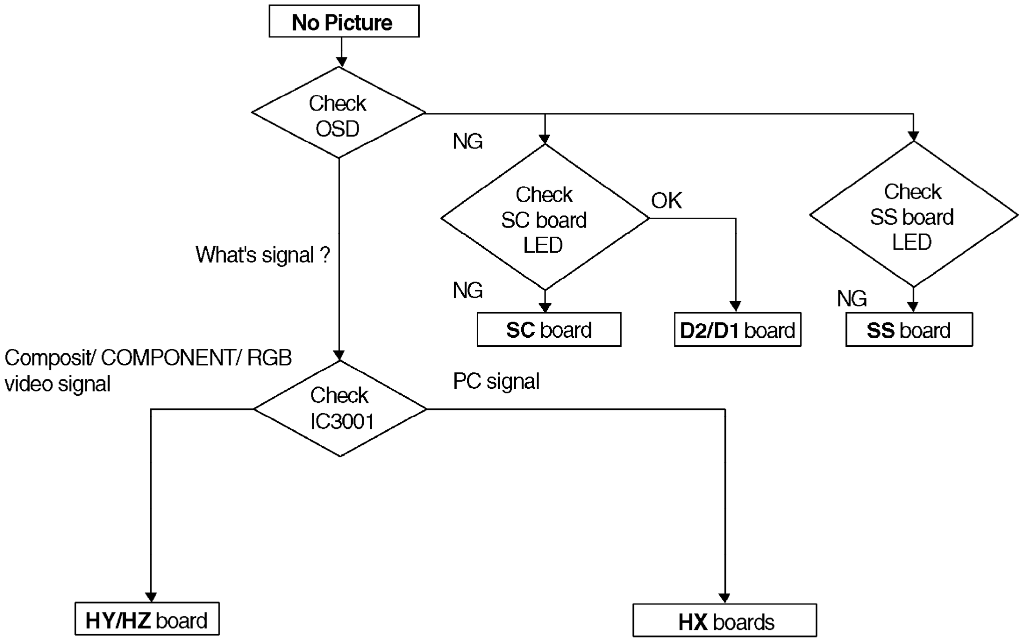
1. No lit


Does turn the power LED?
OK
Check
F board
OK
But no AC supplied
NG
Check AC power code
or power source
Check
Fuse F900, F901
Check
P1 board

Drive circuits LED indicator


SC board
D6583
SS board
D6764 (42 only)
(15V detection)
D6710

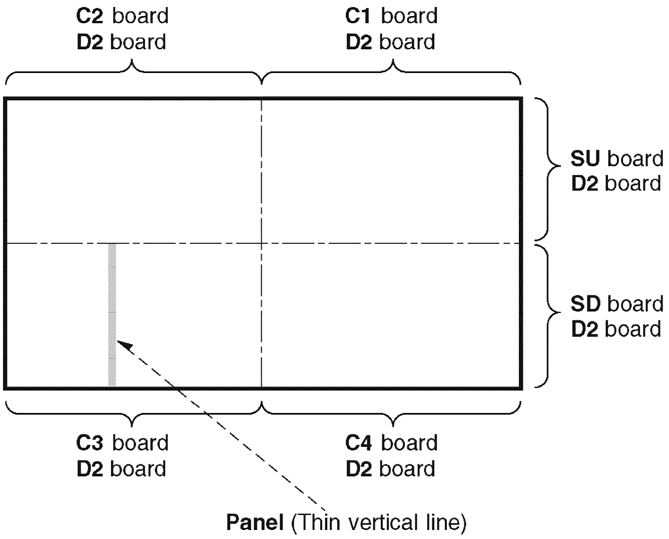
11.3. No Picture


No Picture
Check
OSD
NG
Check
SC board
LED
OK
Check
SS board
LED
What's signal ?
NG
SC board
D2/D1 board
NG
SS board
Composit/ COMPONENT/ RGB
video signal
Check
IC3001
PC signal
HY/HZ board
HX boards

11.4. Local screen failure

Plasma display may have local area failure on the screen. Fig - 1 is the possible defect P.C.B. for each local area.

Fig - 1



<Local screen failure chart>

12. Option Setting

Hidden Option Menu for GPH5D series

GPH5D chassis series have special function and operation setting facility called Option Menu. This Option Menu is useful for special function required customers. This should be set at the installation stage. The end user could not set or changethese because of hidden On screen menu.

Option menus	default setting	Contents
Wobbling	**Off**	**Wobbling operation On/Off.** **The outline of burnt image will be blurred by intermittent image sift.**
Off-timer function	**Enable**	**Off-timer operation Enable/Disable.**
On Screen display	**On**	**Enable/Disable to display input mode indication after power on and no signal indication.**
Initial Input	**Off**	**Sets the initial input mode when the power is turned on Allow input mode selection while power is on.**
Initial VOL. level	**Off**	**Sets the initial volume level when the power is turned on Allow Volume control while power is on.**
Maximum VOL. Level	**Off**	**Sets the maximum volume to desired level. Volume cannot exceed this level.**
INPUT lock	**Off**	**Fixes the input mode to AV, Component/RGB or PC. Can not change input mode by input selection key.**
Button lock	**Off**	**Enable/Disable front operation buttons (Input and/or volume up/down)**
Studio W/B	**Off**	**Set warm mode color temperature to 3,200 Kelvin.**

Option menus	default setting	Contents
Remocon User Level	**Off**	**Remote key invalidation.** **Off : Valid key is all key of remote.** **User1 : Valid key are only Stand-by (ON/OFF), Input, Status, Surround, Sound mute On/Off, and volume adjustment.** **User2: Valid key is only Stand-by (ON/OFF).**

Note :
How to set Remocon User Level and Remote ID off

1. Access service mode (CAT-mode) and press SET UP key on remote.

2. Accsess Hidden option menu.

3. Change Remocon User Level and/ or Remote ID set to Off.

13. Conductor Views

13.1. F-Board

13.2. P1-Board

13.3. P3, P5, P6, P7 and P8-Board

13.4. HX-Board

13.5. HY-Board

13.6. HZ-Board

13.7. D1-Board

13.8. D2-Board

13.9. C1-Board

13.10. C2-Board

13.11. C3-Board

13.12. C4-Board

13.13. SC-Board

13.14. SU-Board

13.15. SD-Board

13.16. SS-Board

13.17. SS2 and SS3-Board

13.18. Z-Board

13.19. H3, S1 and V1-Board

14. Block and Schematic Diagrams

14.1. Schematic Diagram Notes

14.2. Main Block Diagram

14.3. Power Block Diagram

14.4. P1-Board Schematic Diagram

14.5. F, P3, P5, P6, P7 and P8-Board Schematic Diagram

14.6. HX-Board Block Diagram

14.7. HX-Board Schematic Diagram

14.8. HY and HZ-Board Block Diagram

14.9. HY-Board (1 of 2) Schematic Diagram

14.10. HY-Board (2 of 2) Schematic Diagram

14.11. HZ-Board (1 of 2) Schematic Diagram

14.12. HZ-Board (2 of 2) Schematic Diagram

14.13. D1-Board Block Diagram

14.14. D1-Board (1 of 6) Schematic Diagram

14.15. D1-Board (2 of 6) Schematic Diagram

14.16. D1-Board (3 of 6) Schematic Diagram

14.17. D1-Board (4 of 6) Schematic Diagram

14.18. D1-Board (5 of 6) Schematic Diagram

14.19. D1-Board (6 of 6) Schematic Diagram

14.20. D2-Board Block Diagram

14.21. D2-Board (1 of 8) Schematic Diagram

14.22. D2-Board (2 of 8) Schematic Diagram

14.23. D2-Board (3 of 8) Schematic Diagram

14.24. D2-Board (4 of 8) Schematic Diagram

14.25. D2-Board (5 of 8) Schematic Diagram

14.26. D2-Board (6 of 8) Schematic Diagram

14.27. D2-Board (7 of 8) Schematic Diagram

14.28. D2-Board (8 of 8) Schematic Diagram

14.29. C1, C2, C3, and C4-Board Block Diagram

14.30. C1-Board Schematic Diagram

14.31. C2-Board Schematic Diagram

14.32. C3-Board Schematic Diagram

14.33. C4-Board Schematic Diagram

14.34. SC-Board Block Diagram

14.35. SC-Board (1 of 2) Schematic Diagram

14.36. SC-Board (2 of 2) Schematic Diagram

14.37. SU-Board Block Diagram

14.38. SU-Board (1 of 2) Schematic Diagram

14.39. SU-Board (2 of 2) Schematic Diagram

14.40. SD-Board Block Diagram

14.41. SD-Board (1 of 2) Schematic Diagram

14.42. SD-Board (2 of 2) Schematic Diagram

14.43. SS-Board Block Diagram

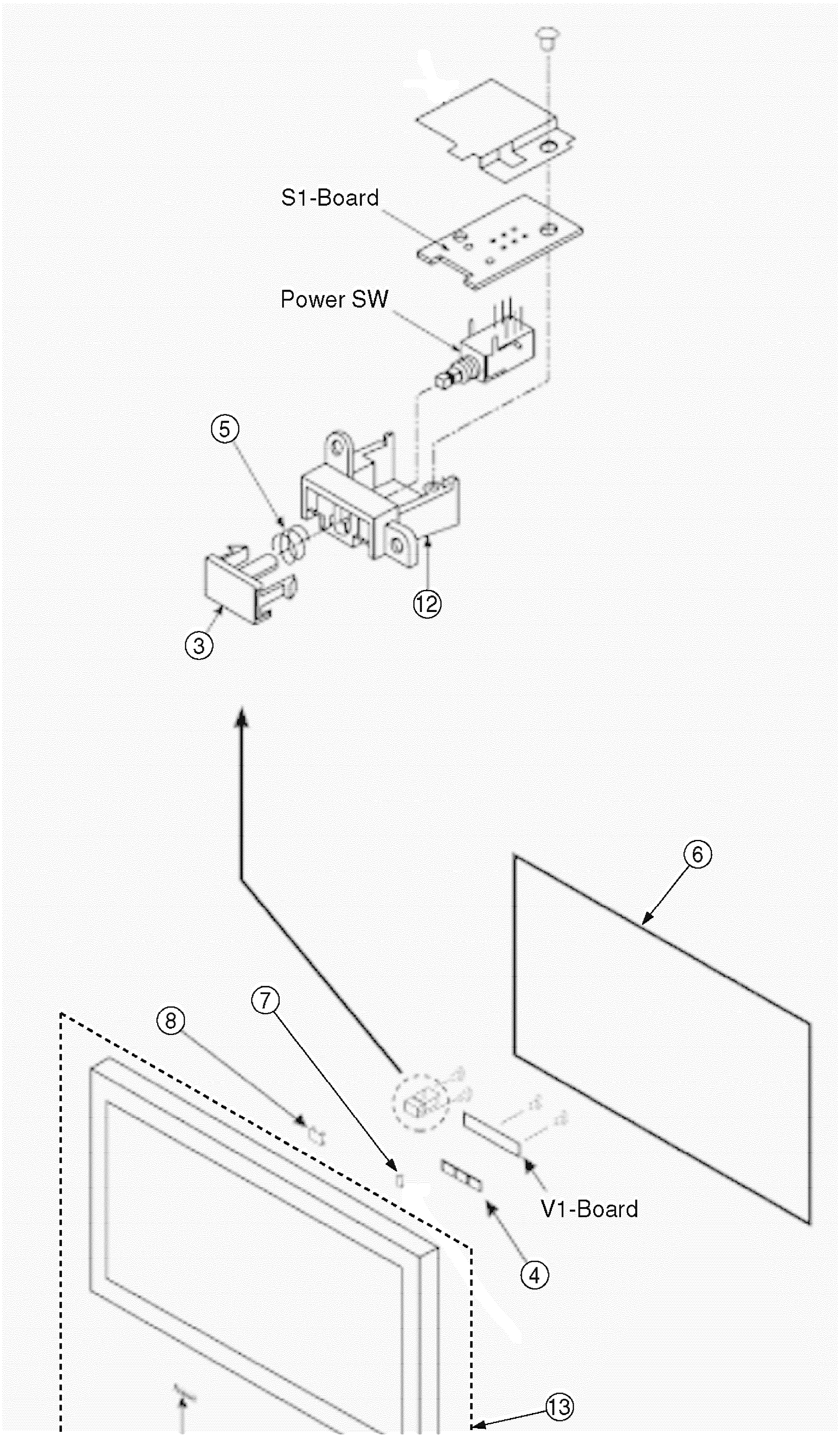
14.44. SS, SS2, SS3 and S1-Board Schematic Diagram

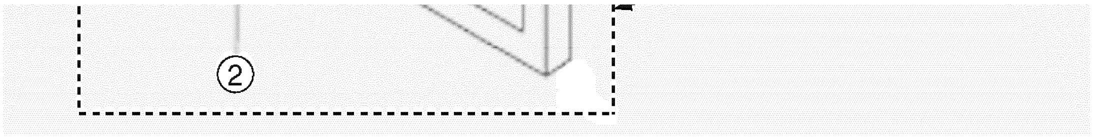
14.45. Z-Board Block Diagram

14.46. H3 and Z-Board Schematic Diagram

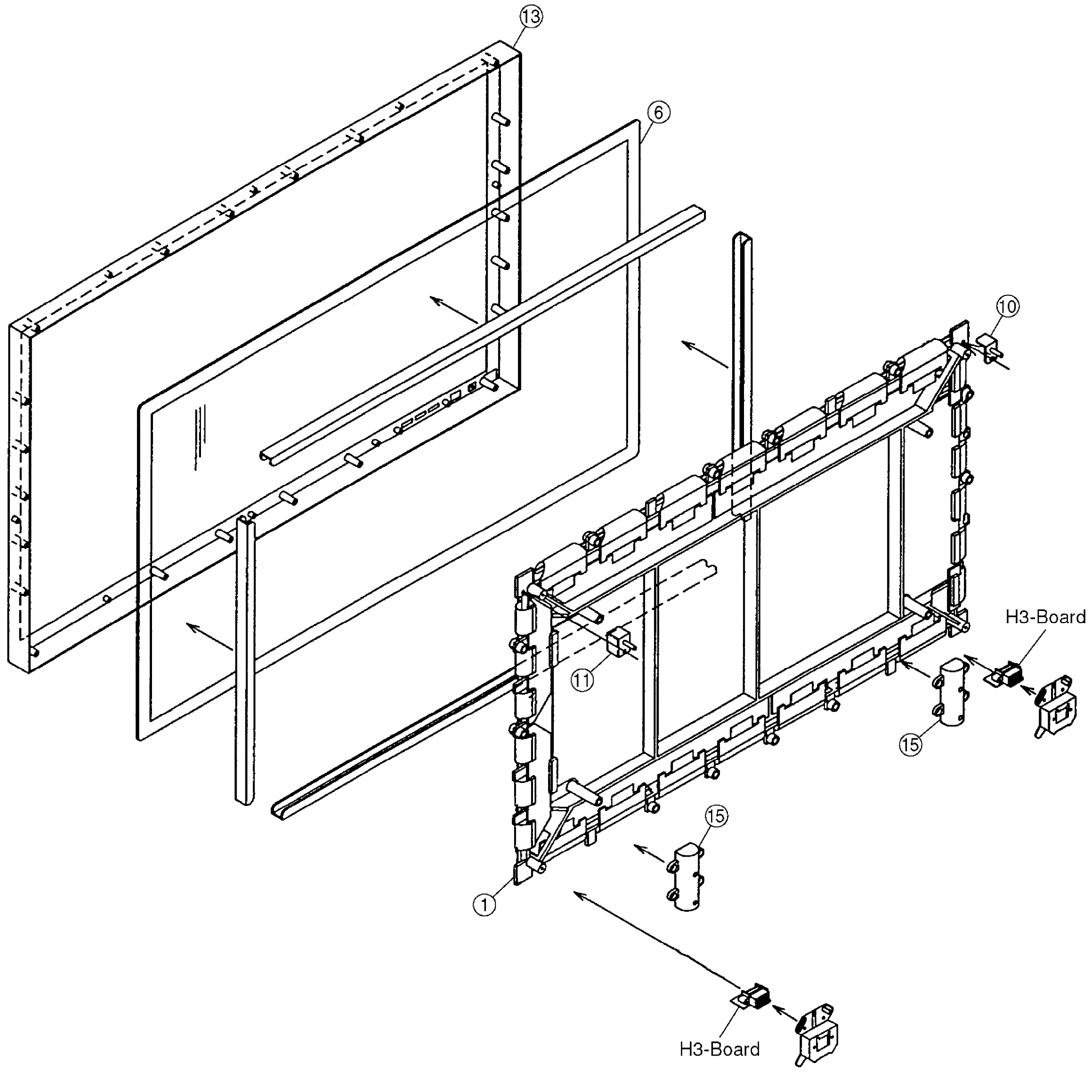
15. Parts Location

15.1. Parts Location1

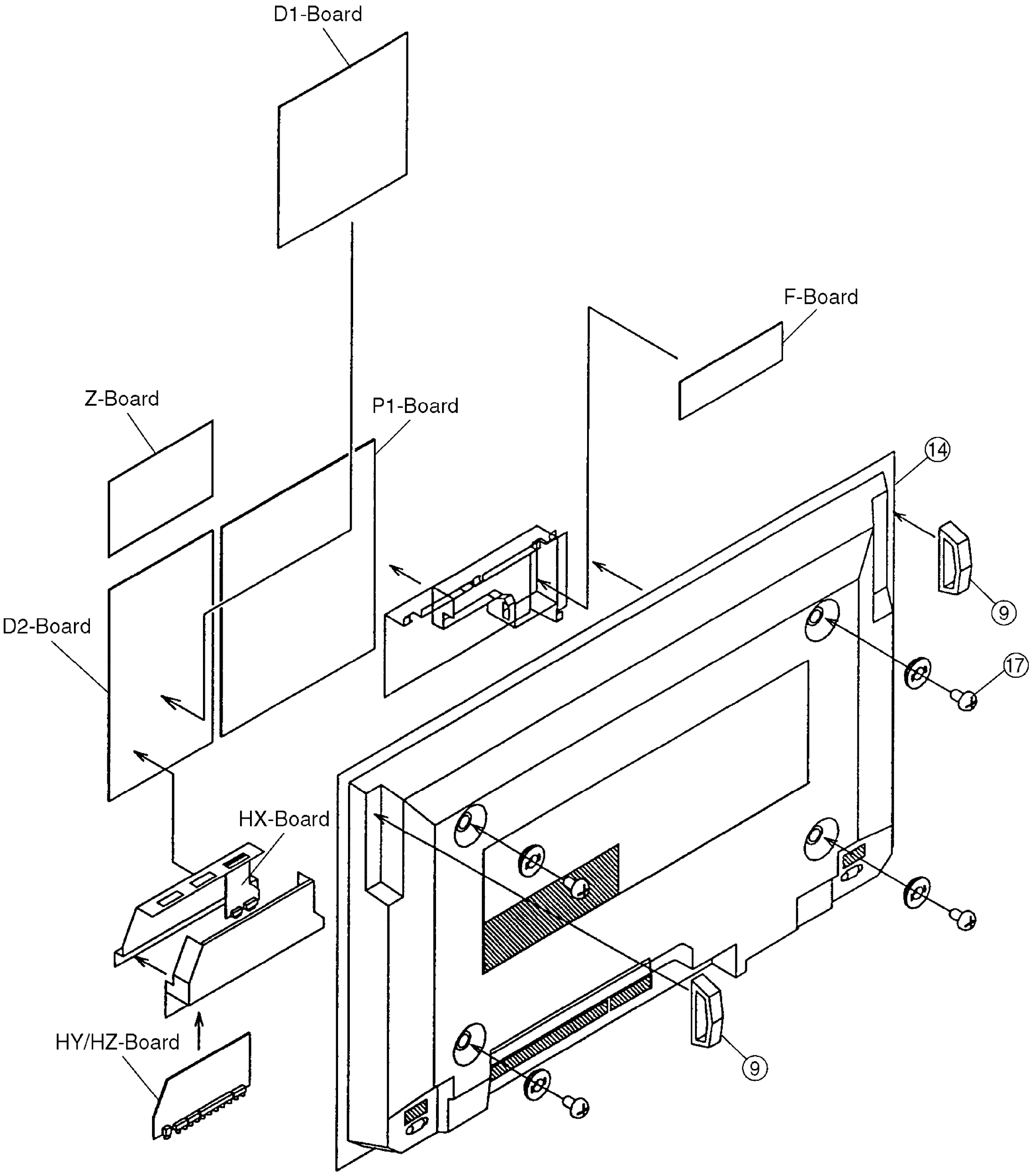

S1-Board
Power SW
⑤
⑫
③
⑥
⑧
⑦
V1-Board
④
⑬



15.2. Parts Location2


⑬
⑥
⑩
H3-Board
⑪
⑮
⑮
①
H3-Board

15.3. Parts Location3


D1-Board
F-Board
Z-Board
P1-Board
⑭
⑨
⑰
D2-Board
HX-Board
⑨
HY/HZ-Board

16. Mechanical Replacement Parts List

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	EUR646525	REMOTE CONTROL	1	
	FBL06A12LS	FAN	1	
	J0KD00000049	FLAT CORE	4	
	J0KF00000018	FILTER	1	
	J0KG00000054	NOISE FILTER	2	
	K1LB03A00067	CONNECTOR	1	
	K2CG3DH00025	AC CORD	1	UY/UZ VERSION ⚠
	K2CK3DH00013	AC CORD	1	AY/AZ VERSION ⚠
	K2CN3DH00004	AC CORD	1	EX/FY/FZ/RY/RZ VERSION ⚠
	K2CT3DH00013	AC CORD	1	BX/HY/HZ VERSION ⚠
	K5Y802B00001	FUSE	2	⚠
1	MD42H05A1J	PLASMA DISPLAY PANEL	1	
2	TBMA008	PANASONIC BADGE	1	PHD5 TH-42PHW5UZ
2	TBMA118	PANASONIC BADGE	1	TH-42PHW5AZ/BX/EX/FZ/HZ/RY
3	TBXA28202A	POWER BUTTON	1	PHD5
3	TBXA28207A	POWER BUTTON	1	TH-42PHW5AZ/BX/EX/FZ/HZ/RY
3	TBXA28208A	POWER BUTTON		TH-42PHW5UZ
4	TBXA28502A	HINDGE BUTTON	1	PHD5
4	TBXA28507A	HINDGE BUTTON	1	TH-42PHW5AZ/BX/EX/FZ/HZ/RY
4	TBXA28508A	HINDGE BUTTON	1	TH-42PHW5UZ
5	TESD031	SPRING	1	
	THEA068N	SCREW	4	
	THEL023Z	SCREW	9	
	THEL027N	SCREW	19	
	THTF003Y	SCREW	33	
6	TKGA5084	FRONT GLASS	1	EXCET TH-42PHW5UZ
6	TKGA5089	FRONT GLASS	1	TH-42PHW5UZ
7	TKKC5105	LED PANEL	1	
8	TKPA43802	REMOCON RECEIVE PANEL	1	TH-42PHW5UZ
8	TKPA60301	REMOCON RECEIVE PANEL	1	PHD5
8	TKPA60302	REMOCON RECEIVE PANEL	1	TH-42PHW5AZ/BX/EX/FZ/HZ/RY
9	TKRA29801	HANDLE	2	
	TMKG288	CUSHION	2	
	TMKG289	CUSHION	2	
	TMKX236	INSULATOR	1	
	TMM15414-2	CLAMPER	2	
	TMM25401	CLAMPER	3	
	TMM7464-2	CLAMPER	2	
	TMM7468-1	CLAMPER	2	
10	TMMD007-1	BRACKET(RIGTH)	1	TMMD007
11	TMMD008-1	BRACKET(LEFT)	1	TMMD008
	TMME047	CLAMPER	4	
	TMME061	CLAMPER	2	
	TMME075	EADG SADOLE	2	
	TMME144	CLAMPER	2	
	TMME152	CLAMPER	2	
	TMME187	CLAMPER	2	
	TMME190	CLAMPER	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
12	TMWC006-1	POWER BUTTOM BRACKET	1	
	TMXX021-1	CORE HOLDER	4	
	TPCA95872	CARTON BOX	1	TH-42PHD5UY ⚠
	TPCA95873	CARTON BOX	1	TH-42PHW5UZ ⚠
	TPCA95874	CARTON BOX	1	TH-42PHD5EX ⚠
	TPCA95875	CARTON BOX	1	TH-42PHW5EX ⚠
	TPCA95876	CARTON BOX	1	TH-42PHD5RY ⚠
	TPCA95877	CARTON BOX	1	TH-42PHD5BX ⚠
	TPCA95878	CARTON BOX	1	TH-42PHD5AY ⚠
	TPCA95879	CARTON BOX	1	TH-42PHD5HY ⚠
	TPCA95880	CARTON BOX	1	TH-42PHW5RZ ⚠
	TPCA95881	CARTON BOX	1	TH-42PHW5BX ⚠
	TPCA95882	CARTON BOX	1	TH-42PHW5HZ ⚠
	TPCA95883	CARTON BOX	1	TH-42PHW5AZ ⚠
	TPCA95886	CARTON BOX	1	TH-42PHD5FY ⚠
	TPCA95887	CARTON BOX	1	TH-42PHW5FZ ⚠
	TPCA95901A	BOTTOM CARTON	1	
	TPD169487	JOINT	4	
	TPDA0510-1	CUSHION(UPPER RIGHT)	1	
	TPDA0511-1	CUSHION(UPPER LEFT)	1	
	TPDA0512	CUSHION(UPPER CENTER)	1	
	TPDA0513	CUSHION(BOTTOM RIGHT)	1	
	TPDA0514	CUSHION(BOTTOM LEFT)	1	
	TPDA0515-2	CUSHION(BOTTOM CENTER)	1	
	TPDF0596	CUSHION	1	
	TPDF0737	PAPER BOX	1	
	TPEH170	PROTECT COVER	1	
	TQBC0453-1	INSTRUCTION BOOK(ENGLISH)	1	TH-42PHW5UZ ⚠
	TQBC0454-1	INSTRUCTION BOOK(FRENCH)	1	TH-42PHW5UZ ⚠
	TQBC0455-1	INSTRUCTION BOOK(SPANISH)	1	TH-42PHW5UZ ⚠
	TQBC0456-1	INSTRUCTION BOOK(ENGLISH)	1	TH-42PHD5UY ⚠
	TQBC0457-1	INSTRUCTION BOOK(FRENCH)	1	TH-42PHD5UY ⚠
	TQBC0458-1	INSTRUCTION BOOK(SPANISH)	1	TH-42PHD5UY ⚠
	TQBC0459-2	INSTRUCTION BOOK(ENGLISH)	1	TH-42PHW5EX ⚠
	TQBC0460-2	INSTRUCTION BOOK(GARMANY)	1	TH-42PHW5EX ⚠
	TQBC0461-2	INSTRUCTION BOOK(FRENCH)	1	TH-42PHW5EX ⚠
	TQBC0462-2	INSTRUCTION BOOK(ITALIAN)	1	TH-42PHW5EX ⚠
	TQBC0463-2	INSTRUCTION BOOK(SPANISH)	1	TH-42PHW5EX ⚠
	TQBC0464-2	INSTRUCTION BOOK(DUTCH)	1	TH-42PHW5EX ⚠
	TQBC0465-2	INSTRUCTION BOOK(DANISH)	1	TH-42PHW5EX ⚠
	TQBC0466-2	INSTRUCTION BOOK(SWEDISH)	1	TH-42PHW5EX ⚠
	TQBC0467-2	INSTRUCTION BOOK(ENGLISH)	1	TH-42PHD5EX ⚠
	TQBC0468-2	INSTRUCTION BOOK(GARMANY)	1	TH-42PHD5EX ⚠
	TQBC0469-2	INSTRUCTION BOOK(FRENCH)	1	TH-42PHD5EX ⚠

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	TQBC0470-2	INSTRUCTION BOOK(ITALIAN)	1	TH-42PHD5EX ⚠
	TQBC0471-2	INSTRUCTION BOOK(SPANISH)	1	TH-42PHD5EX ⚠
	TQBC0472-2	INSTRUCTION BOOK(DUTCH)	1	TH-42PHD5EX ⚠
	TQBC0473-2	INSTRUCTION BOOK(DANISH)	1	TH-42PHD5EX ⚠
	TQBC0474-2	INSTRUCTION BOOK(SWEDISH)	1	TH-42PHD5EX ⚠
	TQBC0475-1	INSTRUCTION BOOK(ENGLISH)	1	TH-42PHW5AZ/HY/RY ⚠
	TQBC0476-1	INSTRUCTION BOOK(GARMANY)	1	TH-42PHW5RY ⚠
	TQBC0477-1	INSTRUCTION BOOK(FRENCH)	1	TH-42PHW5RY ⚠
	TQBC0478-1	INSTRUCTION BOOK(ITALIAN)	1	TH-42PHW5RY ⚠
	TQBC0479-1	INSTRUCTION BOOK(SPANISH)	1	TH-42PHW5RY ⚠
	TQBC0480-1	INSTRUCTION BOOK(ENGLISH)	1	TH-42PHD4AY/HY/RY ⚠
	TQBC0481-1	INSTRUCTION BOOK(GARMANY)	1	TH-42PHD5RY ⚠
	TQBC0482-1	INSTRUCTION BOOK(FRENCH)	1	TH-42PHD5RY ⚠
	TQBC0483-1	INSTRUCTION BOOK(ITALIAN)	1	TH-42PHD5RY ⚠ ;
	TQBC0484-1	INSTRUCTION BOOK(SPANISH)	1	TH-42PHD5RY ⚠
	TQBC0485-2	INSTRUCTION BOOK(ENGLISH)	1	TH-42PHW5BX ⚠
	TQBC0486-2	INSTRUCTION BOOK(ENGLISH)	1	TH-42PHD5BX ⚠
	TQBC0487	INSTRUCTION BOOK(KOREA)	1	TH-42PHW5FZ ⚠
	TQBC0488	INSTRUCTION BOOK(KOREA)	1	TH-42PHD5FY ⚠
	TSXL139	CABLE	1	
	TSXL212	CABLE (D31-C11)	1	
	TSXL213	CABLE (D32-C21)	1	
	TSXL214	CABLE (D33-C31)	1	
	TSXL215	CABLE (D34-C41)	1	
	TSXL216	CABLE	1	
	TSXL222	CABLE (C12-C22, C33-C43)	2	
13	TTEA0086	ESCUTCHEON	1	PHD5 ⚠
13	TTEA0097	ESCUTCHEON	1	TH-42PHW5UZ ⚠
13	TTEA0098	ESCUTCHEON	1	TH-42PHW5AZ/BX/EX/FZ/HZ/RY ⚠
14	TTUA0561	REAR COVER	1	TH-42PHD5UY ⚠
14	TTUA0562	REAR COVER	1	TH-42PHW5UZ ⚠
14	TTUA0563	REAR COVER	1	TH-42PHD5BX/EX ⚠
14	TTUA0564	REAR COVER	1	TH-42PHW5BX/EX ⚠
14	TTUA0568	REAR COVER	1	TH-42PHD5AY/HY/RY ⚠
14	TTUA0569	REAR COVER	1	TH-42PHW5AZ/HZ/RZ ⚠
14	TTUA0593	REAR COVER	1	TH-42PHD5FY ⚠
14	TTUA0594	REAR COVER	1	TH-42PHW5FZ ⚠
	TXAJS010LLS	AC INLET	1	K2AH3H000021 ⚠
15	TXFMZ010JAS	STAND BRACKET	1	
	TXJSPL0LLS	SP LEAD(H37-Z4)	1	
	TXJSPR0LLS	SP LEAD(H37-Z3)	1	
	XTB4+10A	SCREW	19	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	XTBT964	**SCREW**	**2**	
	XTS3+10J	**SCREW**	**8**	
	XTV3+6J	**SCREW**	**2**	
	XTW3+8T	**SCREW**	**3**	
	XYC4+FJ35FZ	**SCREW**	**18**	
	XYN3+F10	**SCREW**	**15**	
	XYN3+F10FZ	**SCREW**	**2**	
	XYN3+F8	**SCREW**	**111**	
	XYN4+E8	**SCREW**	**1**	
	XYN5+C20	**SCREW**	**8**	
	XYN8+F20FZ	**SCREW**	**4**	
	XZBT6506	**POLY BAG**	**1**	

17. Replacement Parts List

17.1. Relpacement Parts List Notes

Important Safety Notice

Components identified by ⚠ mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.

RTL (Retention Time Limited)

Note: The marking (RTL) indicates that the Retention Time is Limited for this item. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

Abbreviation of part name and description

1. Resistor

Example:

ERD25TJ104 C 100KOHM, J, 1/4W

Type Allowance

Type	Allowance
C : Carbon	F : ±1%
F : Fuse	G : ±2%
M : Metal Oxide Metal FIlm	J : ±5% K : ±10%
S : Solid	M : ±20%
W : Wire Wound	

2. Capacitor

Example:

ECKF1H103ZF C 0.01UF, Z, 50V

Type Allowance

Type	Allowance
C : Ceramic	C : ±0.25pF
E : Electrolytic	D : ±0.5pF
P : Polyester Polyprop lene	F : ±1pF G : ±3pF J : ±5pF
T : Tantalum	K : ±10pF
	L : ±15pF
	M : ±20pF
	P : +100%, -0%
	Z : +80%, -20%

17.2. Electrical Replacement Parts List

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C11	K1MN80B00002	CONNECTOR	1	
C12	K1MN20B00043	CONNECTOR	1	
C21	K1MN80B00002	CONNECTOR	1	
C22	K1MN20B00043	CONNECTOR	1	
C31	K1MN80B00002	CONNECTOR	1	
C32	K1KA12A00227	12P CONNECTOR	1	
C33	K1MN20B00043	CONNECTOR	1	
C41	K1MN80B00002	CONNECTOR	1	
C42	K1KA04A00199	4P CONNECTOR	1	
C43	K1MN20B00043	CONNECTOR	1	
C44	K1KA08A00232	8P CONNECTOR	1	
C081	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C400,01	ECKCNA222MEB	C 2200PF,	2	⚠
C402	ECQU2A105MGA	P 1UF, 250V	1	⚠
C403	ECQB1H473JF	P 0.047UF, J, 50V	1	
C404	ECKCNA222MEB	C 2200PF,	1	⚠
C406	ECQE6105JF	P 1UF, J,630V	1	
C407	ECKD3A101KBP	C 100PF, K, 1KV	1	
C408	ECQB1H473JF	P 0.047UF, J, 50V	1	
C411,12	EETHC2W331L	E 330UF, 450V	2	⚠
C413	ECQU2A683MN	P 0.068UF, M,250V	1	⚠
C414	ECA1HHG471	E 470UF, 50V	1	
C416	ECA2WHG220	E 22UF, 450V	1	⚠
C417	ECQV1H104JM	P 0.1UF, J, 50V	1	
C418	ECQE6105JF	P 1UF, J,630V	1	
C419	ECKD3D392KBP	C 3900PF, K, 2KV	1	
C421	ECQE10104KF	P 0.1UF, K, 1KV	1	
C423	ECA1HHG220	E 22UF, 50V	1	
C424	ECQV1H104JM	P 0.1UF, J, 50V	1	
C425	ECA1EHG470	E 47UF, 25V	1	
C426	ECKD2H821KB2	C 820PF, K,500V	1	ECKR2H821KB5
C427	ECKD3A101KBP	C 100PF, K, 1KV	1	
C428	ECQV1H104JM	P 0.1UF, J, 50V	1	
C429	ECA1HHG101	E 100UF, 50V	1	
C430	ECQB1H473JF	P 0.047UF, J, 50V	1	
C431,32	ECQE4474JF	P 0.47UF, K,400V	2	
C433,34	ECKD3D102KBP	C 1000PF, K, 2KV	2	
C435	ECKD3A102KBP	C 1000PF, K, 1KV	1	
C437,38	ECKD2H561KB2	C 560PF, K,500V	2	
C439	ECA1EHG470	E 47UF, 25V	1	
C440	EEUFC1C471	E 470UF, 16V	1	
C441-44	ECKD3A101KBP	C 100PF, K, 1KV	4	
C446	ECA1EHG102	E 1000UF, 25V	1	
C447,48	ECQB1H103JF	P 0.01UF, J, 50V	2	
C450	ECQB1H103JF	P 0.01UF, J, 50V	1	
C451	ECQB1H222JF	P 2200PF, J, 50V	1	
C452	EETHC2C122K	E 1200UF, 160V	1	
C453,54	ECA1EHG222	E 2200UF, 25V	2	
C455,56	ECQE4105JF	P 1UF, K,400V	2	
C458	ECKD2H103ZU	C 0.01UF, Z,500V	1	
C462	EEUFC1C472	E 4700UF, 16V	1	
C464-66	ECKCNA222MEB	C 2200PF,	3	⚠
C467	ECA1CHG471	E 470UF, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C468	ECKF1H103ZF	C 0.01UF, Z, 50V	1	
C472	ECA1HHG220	E 22UF, 50V	1	
C473	EEUFC1E472	E 4700UF, 25V	1	
C474,75	ECQE6473JF	P 0.047UF, K,400V	2	
C476	ECKDHT122KB	C 1200PF, 500V	1	
C477,78	EETHC2D152	E 1500UF, 160V	2	
C481	ECA1HHG220	E 22UF, 50V	1	
C485	EEUFC1A682	E 6800UF, 10V	1	
C486,87	ECQV1H105JM	P 1UF, J, 50V	2	
C491	EETHC2C122K	E 1200UF, 160V	1	
C492	ECKDHT332KB	C 3300PF, K,500V	1	
C497	ECKF1H103ZF	C 0.01UF, Z, 50V	1	
C500	ECA1EHG470	E 47UF, 25V	1	
C503	ECQB1H103JF	P 0.01UF, J, 50V	1	
C504	EEUEB1E470	E 47UF, 25V	1	
C505	EEUEB1E101	E 100UF, 25V	1	
C515	EEUFC1H330	E 33UF, 50V	1	
C516	ECQV1H104JM	P 0.1UF, J, 50V	1	
C517	ECQV1H473JM	P 0.047UF, J, 50V	1	
C519,20	ECKF1H223ZF	C 0.022UF, Z, 50V	2	
C600	ECA1HHG100	E 10UF, 50V	1	
C601	ECQV1H105JM	P 1UF, J, 50V	1	
C603	ECQB1H472JF	P 4700PF, J, 50V	1	
C604	ECA1EHG101	E 100UF, 25V	1	
C605	ECJ2XC1H331J	C 330PF, J, 50V	1	
C606	ECQV1H105JM	P 1UF, J, 50V	1	
C609	ECQV1H474JM	P 0.47UF, J, 50V	1	
C610	ECQV1H104JM	P 0.1UF, J, 50V	1	
C611	ECQV1H474JM	P 0.47UF, J, 50V	1	
C612	ECQB1H103JF	P 0.01UF, J, 50V	1	
C614	ECJ2XB1E104K	C 0.1UF, K, 25V	1	
C615	ECQV1H105JM	P 1UF, J, 50V	1	
C616	ECA1EHG101	E 100UF, 25V	1	
C617	ECQB1H103JF	P 0.01UF, J, 50V	1	
C618	ECA1HHG100	E 10UF, 50V	1	
C619,20	ECQB2472KF	P 4700PF, 200V	2	
C621	ECA1HHG100	E 10UF, 50V	1	
C622	ECKCWS102MEB	C 1000PF, M,	1	⚠
C650-52	ECJ2XF1H103Z	C 0.01UF, Z, 50V	3	ECJ2VF1H103Z
C653	ECQV1H104JM	P 0.1UF, J, 50V	1	
C654	ECJ2XC1H101J	C 100PF, J, 50V	1	
C655	ECA1HHG220	E 22UF, 50V	1	
C656	ECA1HHG010	E 1UF, 50V	1	
C657	ECQB1H102JF	P 1000PF, J, 50V	1	
C658	ECQB1H561JF	P 560PF, J, 50V	1	ECQB1H561JF3
C659	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C660	ECQB1H103JF	P 0.01UF, J, 50V	1	
C661	ECQB1H102JF	P 1000PF, J, 50V	1	
C662	EEUFC1E471	E 470UF, 25V	1	
C730	ECQB1H681JF	P 680PF, J, 50V	1	
C731	ECJ2XC1H471J	C 470PF, J, 50V	1	
C732	ECA1HHG220	E 22UF, 50V	1	
C733	ECJ2YB1C474K	C 0.47UF, K, 16V	1	
C734	EEUFC1H221	E 220UF, 50V	1	
C735	ECQV1H105JM	P 1UF, J, 50V	1	
C736	ECJ2XC1H271J	C 270PF, J, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C737	ECJ3XB1C105K	C 1UF, K, 16V	1	
C738	ECQB1H473JF	P 0.047UF, J, 50V	1	
C740	ECQB1H102JF	P 1000PF, J, 50V	1	
C741	ECA1HHG220	E 22UF, 50V	1	
C742	ECQB1H103JF	P 0.01UF, J, 50V	1	
C743,44	ECQV1H104JM	P 0.1UF, J, 50V	2	
C745	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C746	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C747	ECQB1H332JF	P 3300PF, J, 50V	1	
C748	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C749	ECJ2XC1H151J	C 150PF, J, 50V	1	
C750,51	ECJ2XF1H103Z	C 0.01UF, Z, 50V	2	ECJ2VF1H103Z
C752	ECA1EHG471	E 470UF, 25V	1	
C754	ECA1EHG470	E 47UF, 25V	1	
C755	ECJ2XF1H103Z	C 0.01UF, Z, 50V	1	ECJ2VF1H103Z
C756	ECA1EHG470	E 47UF, 25V	1	
C775,76	ECJ2XF1H103Z	C 0.01UF, Z, 50V	2	ECJ2VF1H103Z
C778-81	ECA1HHG010	E 1UF, 50V	4	
C782	ECA1EHG101	E 100UF, 25V	1	
C783	ECA1EHG470	E 47UF, 25V	1	
C784	ECJ2XF1H103Z	C 0.01UF, Z, 50V	1	ECJ2VF1H103Z
C785	ECA1EHG471	E 470UF, 25V	1	
C786	ECJ2XF1H103Z	C 0.01UF, Z, 50V	1	ECJ2VF1H103Z
C787	ECA1EHG470	E 47UF, 25V	1	
C900	ECQU2A105BN9	P 1UF, 250V	1	⚠
C901,02	ECKCNA221KB7	C 220PF, M,	2	⚠
C903	ECQU2A224BN9	P 0.22UF, 250V	1	⚠
C904,05	ECKCNA221KB7	C 220PF, M,	2	⚠
C906	ECQU2A105MGA	P 1UF, 250V	1	⚠
C2312	ECJ2XF1H103Z	C 0.01UF, Z, 50V	1	ECJ2VF1H103Z
C2313	ECA1HHG470	E 47UF, 50V	1	
C2314	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C2316,17	ECQV1H474JM	P 0.47UF, J, 50V	2	
C2318,19	ECJ2XC1H561J	C 560PF, J, 50V	2	
C2320-22	ECJ2XF1H104Z	C 0.1UF, Z, 50V	3	ECJ2VF1H104Z
C2323	ECA1HHG221	E 220UF, 50V	1	
C2324	ECJ2XF1H104Z	C 0.1UF, Z, 50V	1	ECJ2VF1H104Z
C2325	ECA1HHG221	E 220UF, 50V	1	
C2326,27	ECJ2XC1H221J	C 220PF, J, 50V	2	
C2328,29	ECJ2XF1H104Z	C 0.1UF, Z, 50V	2	ECJ2VF1H104Z
C2330	ECJ2XB1H472K	C 4700PF, K, 50V	1	
C2331	ECJ2XC1H101J	C 100PF, J, 50V	1	
C2332	ECJ2XB1H472K	C 4700PF, K, 50V	1	
C2333	ECJ2XC1H101J	C 100PF, J, 50V	1	
C2334,35	TCUY1C225KBM	C 2.2UF, 16V	2	F1K1C225A026
C2336,37	ECJ2XB1H473K	C 0.047UF, K, 50V	2	
C2338,39	ECJ3XF1C475Z	C 4.7UF, Z, 16V	2	
C2340-43	ECJ2XF1H104Z	C 0.1UF, Z, 50V	4	ECJ2VF1H104Z
C2344-47	EEUGZ1D102SB	E 1000UF, 20V	4	
C2348	ECJ2XF1H103Z	C 0.01UF, Z, 50V	1	ECJ2VF1H103Z
C2349,50	ECJ3XF1C475Z	C 4.7UF, Z, 16V	2	
C2417	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C2419	EEVHB1C100	E 10UF, 16V	1	
C2422	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C2423	ECJ2XB1H103K	C 0.01UF, K, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2426	ECJ2XB1H153K	C 0.015UF, K, 50V	1	
C2427	EEVHB1C100	E 10UF, 16V	1	
C2429	EEAGA1C101	E 100UF, 16V	1	
C2431	ECJ2XF1H103Z	C 0.01UF, Z, 50V	1	ECJ2VF1H103Z
C2433	ECJ2XB1H393K	C 0.039UF, K, 50V	1	
C2434	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C2435	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C2436	TCUY1C105KBM	C 1UF, 16V	1	F1K1C105A026
C2437,38	EEAGA1C101	E 100UF, 16V	2	
C2440,41	ECJ3XF1C475Z	C 4.7UF, Z, 16V	2	
C2442	ECJ2XF1C105Z	C 1UF, Z, 16V	1	ECJ2VF1C105Z
C2450	EEVHB1C100	E 10UF, 16V	1	
C2451	EEVHB1E4R7	E 4.7UF, 25V	1	
C2452	ECJ2XB1H562K	C 5600PF, K, 50V	1	
C2453	ECJ2XF1H104Z	C 0.1UF, Z, 50V	1	ECJ2VF1H104Z
C2454	EEVHB1E4R7	E 4.7UF, 25V	1	
C2457	EEVHB1E4R7	E 4.7UF, 25V	1	
C2458	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C2459	TCUY1C105KBM	C 1UF, 16V	1	F1K1C105A026
C2460	ECJ2XB1H473K	C 0.047UF, K, 50V	1	
C2461	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C2463	ECJ2XB1H473K	C 0.047UF, K, 50V	1	
C2466,67	TCUY1C105KBM	C 1UF, 16V	2	F1K1C105A026
C2480	ECJ2XF1C105Z	C 1UF, Z, 16V	1	ECJ2VF1C105Z
C2484	ECJ2XF1H103Z	C 0.01UF, Z, 50V	1	ECJ2VF1H103Z
C3001-03	ECJ2XF1C105Z	C 1UF, Z, 16V	3	ECJ2VF1C105Z
C3004	ECJ1XF1H103Z	C 0.01UF, Z, 50V	1	ECJ1VF1H103Z
C3005-07	ECJ2XF1C105Z	C 1UF, Z, 16V	3	ECJ2VF1C105Z
C3008,09	ECJ1XF1H103Z	C 0.01UF, Z, 50V	2	ECJ1VF1H103Z
C3010-12	ECJ2XF1C105Z	C 1UF, Z, 16V	3	ECJ2VF1C105Z
C3013,14	ECJ1XF1H103Z	C 0.01UF, Z, 50V	2	ECJ1VF1H103Z
C3015-17	ECJ2XF1C105Z	C 1UF, Z, 16V	3	ECJ2VF1C105Z
C3018	ECJ1XF1H103Z	C 0.01UF, Z, 50V	1	ECJ1VF1H103Z
C3019	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C3020	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C3021	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C3022	ECJ1VF1H104Z	C 0.1UF, Z, 50V	1	
C3023	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C3024	ECJ1VF1H104Z	C 0.1UF, Z, 50V	1	
C3026	ECJ1XF1H103Z	C 0.01UF, Z, 50V	1	ECJ1VF1H103Z
C3027	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C3028	ECJ1XF1H103Z	C 0.01UF, Z, 50V	1	ECJ1VF1H103Z
C3029	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C3030,31	ECJ1XF1H103Z	C 0.01UF, Z, 50V	2	ECJ1VF1H103Z
C3032	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C3033-35	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C3036	ECJ1XF1H103Z	C 0.01UF, Z, 50V	1	ECJ1VF1H103Z
C3037-39	EEVHB1C470	E 47UF, 16V	3	EEVHB1C470P
C3040,41	ECJ2XF1C105Z	C 1UF, Z, 16V	2	ECJ2VF1C105Z
C3042	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C3049,50	ECJ1XB1C104K	C 0.1UF, K, 16V	2	ECJ1VB1C104K
C3301,02	ECJ2XB1E104K	C 0.1UF, K, 25V	2	
C3303,04	EEVHB1C470	E 47UF, 16V	2	EEVHB1C470P
C3305	ECJ2XF1H103Z	C 0.01UF, Z, 50V	1	ECJ2VF1H103Z
C3306,07	ECJ2XF1C105Z	C 1UF, Z, 16V	2	ECJ2VF1C105Z
C3309	ECJ2XF1C104Z	C 0.1UF, Z, 16V	1	ECJ2VF1C104Z
C3310	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3311	ECJ2XF1C104Z	C 0.1UF, Z, 16V	1	ECJ2VF1C104Z
C3312,13	EEVHB1C470	E 47UF, 16V	2	EEVHB1C470P
C3314	ECJ2XF1C104Z	C 0.1UF, Z, 16V	1	ECJ2VF1C104Z
C3351,52	ECJ3XB0J106M	C 10UF, M,6.3V	2	
C3353-60	ECJ2XF1C105Z	C 1UF, Z, 16V	8	ECJ2VF1C105Z
C3361	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C3362	ECJ2XF1C104Z	C 0.1UF, Z, 16V	1	ECJ2VF1C104Z
C3363	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C3364	ECJ2XF1C104Z	C 0.1UF, Z, 16V	1	ECJ2VF1C104Z
C3365	ECJ2XF1H103Z	C 0.01UF, Z, 50V	1	ECJ2VF1H103Z
C3404	ECJ2XF1C104Z	C 0.1UF, Z, 16V	1	ECJ2VF1C104Z
C3405	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C3406	ECJ2XF1C104Z	C 0.1UF, Z, 16V	1	ECJ2VF1C104Z
C3407	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C3409	ECJ2XF1C104Z	C 0.1UF, Z, 16V	1	ECJ2VF1C104Z
C3410	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C3501	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C3502	EEVHP1E220	E 22UF, 25V	1	EEVHP1E220P
C3503,04	EEVHP1E100	E 10UF, 25V	2	
C3505	ECJ2XF1C105Z	C 1UF, Z, 16V	1	ECJ2VF1C105Z
C3506	TCUY0J685MBM	C 6.8UF, 6.3V	1	F1K0J685A003
C3507	ECJ2XF1C104Z	C 0.1UF, Z, 16V	1	ECJ2VF1C104Z
C3509-12	ECJ1XF1C104Z	C 0.1UF, Z, 16V	4	
C3516-18	EEVHB1C470	E 47UF, 16V	3	EEVHB1C470P
C3520	ECJ2XF1H103Z	C 0.01UF, Z, 50V	1	ECJ2VF1H103Z
C3521	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C3523	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C3524	ECJ2XF1H103Z	C 0.01UF, Z, 50V	1	ECJ2VF1H103Z
C3529-31	ECJ3XB0J106M	C 10UF, M,6.3V	3	
C3533,34	ECJ3XB0J106M	C 10UF, M,6.3V	2	
C3542	ECJ2XF1C104Z	C 0.1UF, Z, 16V	1	ECJ2VF1C104Z
C3544	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C3550	ECJ2XF1H103Z	C 0.01UF, Z, 50V	1	ECJ2VF1H103Z
C3551	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C3561,62	ECJ2XF1C105Z	C 1UF, Z, 16V	2	ECJ2VF1C105Z
C3591,92	TCUY1C105ZFN	C 1UF, 16V	2	F1J1C1050006
C3593	ECJ2XF1E104Z	C 0.1UF, Z, 25V	1	ECJ2VF1E104Z
C3594,95	TCUY1C105ZFN	C 1UF, 16V	2	F1J1C1050006
C3700	ECJ2XF1C105Z	C 1UF, Z, 16V	1	ECJ2VF1C105Z
C3701	ECJ1XB1C104K	C 0.1UF, K, 16V	1	ECJ1VB1C104K
C3702	ECJ2XF1C105Z	C 1UF, Z, 16V	1	ECJ2VF1C105Z
C3703	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C3704	ECJ1XB1C104K	C 0.1UF, K, 16V	1	ECJ1VB1C104K
C3706	ECJ2XF1C105Z	C 1UF, Z, 16V	1	ECJ2VF1C105Z
C3708	EEVHB0G221	E 220UF, 4V	1	
C3709	TCUY0J335MBM	C 3.3UF, 6.3V	1	F1K0J335A003
C3710-13	ECJ1XF1C104Z	C 0.1UF, Z, 16V	4	
C3714	EEVHB0J101	E 100UF, 6.3V	1	EEVHB0J101P
C3715	EEVHB0G221	E 220UF, 4V	1	
C3716	EEVHB0J101	E 100UF, 6.3V	1	EEVHB0J101P
C3717,18	EEVHB1C470	E 47UF, 16V	2	EEVHB1C470P
C3723	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C3726	ECJ2XF1C104Z	C 0.1UF, Z, 16V	1	ECJ2VF1C104Z
C3727,28	ECJ3XB0J106M	C 10UF, M,6.3V	2	
C3729	ECJ2XB1H471K	C 470PF, K, 50V	1	
C3801	ECJ2XF1C105Z	C 1UF, Z, 16V	1	ECJ2VF1C105Z
C3802	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3803	ECJ2XF1C105Z	C 1UF, Z, 16V	1	ECJ2VF1C105Z
C3804	ECJ1XC1H470J	C 47PF, J, 50V	1	
C3805	ECJ1XC1H220J	C 22PF, J, 50V	1	
C3806	ECJ1XC1H680J	C 68PF, J, 50V	1	
C3808	EEVHP1E220	E 22UF, 25V	1	EEVHP1E220P
C3809	TCUY0J335MBM	C 3.3UF, 6.3V	1	F1K0J335A003
C3810	EEVHB0J220	E 22UF 6.3V	1	
C3812	ECJ2XF1C105Z	C 1UF, Z, 16V	1	ECJ2VF1C105Z
C3815	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C3816	EEVHP1E100	E 10UF, 25V	1	
C3817	TCUY0J335MBM	C 3.3UF, 6.3V	1	F1K0J335A003
C3818	ECJ1XB1H103K	C 0.01UF, K, 50V	1	ECJ1VB1H103K
C3819	ECJ2XF1C105Z	C 1UF, Z, 16V	1	ECJ2VF1C105Z
C3820	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C3821	ECJ1XB1H103K	C 0.01UF, K, 50V	1	ECJ1VB1H103K
C3823	EEVHB0J101	E 100UF, 6.3V	1	EEVHB0J101P
C3824,25	ECJ2XF1C105Z	C 1UF, Z, 16V	2	ECJ2VF1C105Z
C3826	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C3828,29	ECJ2XF1C105Z	C 1UF, Z, 16V	2	ECJ2VF1C105Z
C3830,31	ECJ1XC1H180J	C 18PF, J, 50V	2	
C3832-34	ECJ2XF1C105Z	C 1UF, Z, 16V	3	ECJ2VF1C105Z
C3835	TCUY0J335MBM	C 3.3UF, 6.3V	1	F1K0J335A003
C3836-38	ECJ2XF1C105Z	C 1UF, Z, 16V	3	ECJ2VF1C105Z
C3840	ECJ2XF1C105Z	C 1UF, Z, 16V	1	ECJ2VF1C105Z
C3841	TCUY0J335MBM	C 3.3UF, 6.3V	1	F1K0J335A003
C3842	ECJ1XB1C104K	C 0.1UF, K, 16V	1	ECJ1VB1C104K
C3843	ECJ2XF1C105Z	C 1UF, Z, 16V	1	ECJ2VF1C105Z
C3844	EEVHB0J152	E 1500UF, 6.3V	1	
C3845,46	ECJ2XF1C105Z	C 1UF, Z, 16V	2	ECJ2VF1C105Z
C3848-50	ECJ2XF1C105Z	C 1UF, Z, 16V	3	ECJ2VF1C105Z
C3852,53	ECJ2XF1C105Z	C 1UF, Z, 16V	2	ECJ2VF1C105Z
C3854	ECJ1XC1H080C	C 8PF, C, 50V	1	ECJ1VC1H080C
C3855-57	ECJ2XF1C105Z	C 1UF, Z, 16V	3	ECJ2VF1C105Z
C3858	EEVHB0G221	E 220UF, 4V	1	
C3859,60	EEVHB0J152	E 1500UF, 6.3V	2	
C3861	ECJ2XF1C105Z	C 1UF, Z, 16V	1	ECJ2VF1C105Z
C3862	ECJ1XB1H103K	C 0.01UF, K, 50V	1	ECJ1VB1H103K
C3863	TCUY0J335MBM	C 3.3UF, 6.3V	1	F1K0J335A003
C3864	ECJ2XF1C105Z	C 1UF, Z, 16V	1	ECJ2VF1C105Z
C3865	ECJ1XB1C104K	C 0.1UF, K, 16V	1	ECJ1VB1C104K
C3866	TCUY0J335MBM	C 3.3UF, 6.3V	1	F1K0J335A003
C3867	ECJ1XF1H103Z	C 0.01UF, Z, 50V	1	ECJ1VF1H103Z
C3868	ECJ2XF1C105Z	C 1UF, Z, 16V	1	ECJ2VF1C105Z
C3869	ECJ1XC1H330J	C 33PF, J, 50V	1	
C3870,71	ECJ2XF1C105Z	C 1UF, Z, 16V	2	ECJ2VF1C105Z
C3872	TCUY0J335MBM	C 3.3UF, 6.3V	1	F1K0J335A003
C3873	ECJ1XB1C104K	C 0.1UF, K, 16V	1	ECJ1VB1C104K
C3874	ECJ1XB1H103K	C 0.01UF, K, 50V	1	ECJ1VB1H103K
C3875	ECJ2XF1C105Z	C 1UF, Z, 16V	1	ECJ2VF1C105Z
C3876	ECJ1XB1H102K	C 1000PF, K, 50V	1	ECJ1VB1H102K
C3877	ECJ1XB1C104K	C 0.1UF, K, 16V	1	ECJ1VB1C104K
C3878-83	ECJ2XF1C105Z	C 1UF, Z, 16V	6	ECJ2VF1C105Z
C3884	ECJ1VB1H153K	C 0.15UF, K, 50V	1	
C3885	ECJ2XF1C105Z	C 1UF, Z, 16V	1	ECJ2VF1C105Z
C3886	TCUY0J335MBM	C 3.3UF, 6.3V	1	F1K0J335A003
C3887	ECJ2XF1C105Z	C 1UF, Z, 16V	1	ECJ2VF1C105Z
C3888	ECJ1XC1H101J	C 100PF, J, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3889	ECJ1XB1H472K	C 4700PF, K, 50V	1	ECJ1VB1H472K
C3890	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C3891,92	ECJ2XF1C105Z	C 1UF, Z, 16V	2	ECJ2VF1C105Z
C3893	TCUY0J335MBM	C 3.3UF, 6.3V	1	F1K0J335A003
C3894	EEVHB0G221	E 220UF, 4V	1	
C3896	ECJ2XF1C105Z	C 1UF, Z, 16V	1	ECJ2VF1C105Z
C3897	ECJ1XC1H680J	C 68PF, J, 50V	1	
C3898	ECJ2XF1C105Z	C 1UF, Z, 16V	1	ECJ2VF1C105Z
C3899	ECJ1XC1H330J	C 33PF, J, 50V	1	
C4518	ECJ1VB1H152K	C 1500PF, K, 50V	1	
C4551	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C6401-06	TCUY1C105ZFN	C 1UF, 16V	6	F1J1C1050006
C6407	ECJ2XB1H222K	C 2200PF, K, 50V	1	
C6408	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6417-20	TACCP2E104MT	C 0.1UF, 250V	4	F1L2E1040002
C6421-26	TCUY1C105ZFN	C 1UF, 16V	6	F1J1C1050006
C6427	ECJ2XB1H222K	C 2200PF, K, 50V	1	
C6428	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6437-40	TACCP2E104MT	C 0.1UF, 250V	4	F1L2E1040002
C6452	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6453	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C6454	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6455	EEUFC1E221	E 220UF, 25V	1	
C6456	ECA2CM101	E 100UF, 160V	1	
C6457	EEUFC1E221	E 220UF, 25V	1	
C6458	ECJ4XB1E475M	C 4.7UF, M, 25V	1	
C6459	EEUFC1E470	E 47UF, 25V	1	
C6461	ECA1HM471	E 470UF, 50V	1	
C6462,63	ECJ4XB1E475M	C 4.7UF, M, 25V	2	
C6464,65	ECA2CHG2R2	E 2.2UF, 160V	2	
C6472	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6473	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C6474	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6475	EEUFC1E221	E 220UF, 25V	1	
C6476	ECA2CM101	E 100UF, 160V	1	
C6490,91	ECJ3XK2J102K	C 1000PF, K,630V	2	
C6492	EEUED2V100	E 10UF,	1	
C6493	ECJ3XB2J222K	C 2200PF, K,630V	1	
C6501-08	TCUY1C105ZFN	C 1UF, 16V	8	F1J1C1050006
C6509	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6511,12	ECJ3XB1E105K	C 1UF, K, 25V	2	ECJ3YB1E105K
C6513	ECA2CM101	E 100UF, 160V	1	
C6521	ECJ4XB1E475M	C 4.7UF, M, 25V	1	
C6522	EEUFC1E470	E 47UF, 25V	1	
C6524,25	ECJ3FC2D102J	C 1000PF, J,	2	
C6526	ECA2EHG4R7	E 4.7UF, 250V	1	
C6540	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6541,42	ECJ4XB1E475M	C 4.7UF, M, 25V	2	
C6543-45	ECJ3FC2D102J	C 1000PF, J,	3	
C6546	ECJ4XB1E475M	C 4.7UF, M, 25V	1	
C6550	ECA2CM101	E 100UF, 160V	1	
C6571	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C6574-78	TCUY1C105ZFN	C 1UF, 16V	5	F1J1C1050006
C6580,81	TCUY1C105ZFN	C 1UF, 16V	2	F1J1C1050006
C6584	ECJ3XB1E105K	C 1UF, K, 25V	1	ECJ3YB1E105K
C6585	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C6598	ECA2CM101	E 100UF, 160V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6601-04	ECA2DHG221	E 220UF, 200V	4	
C6609	ECJ3XB1E105K	C 1UF, K, 25V	1	ECJ3YB1E105K
C6610	EEUFC1E221	E 220UF, 25V	1	
C6611-20	ECJ3XK2J102K	C 1000PF, K,630V	10	
C6621,22	ECJ4XB1E475M	C 4.7UF, M, 25V	2	
C6623	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C6625	ECJ4XB1E475M	C 4.7UF, M, 25V	1	
C6626	ECJ3XB1E105K	C 1UF, K, 25V	1	ECJ3YB1E105K
C6627,28	EEUFC1E470	E 47UF, 25V	2	
C6629	F2A2D1510004	E 150UF, 200V	1	
C6631-33	ECWF2205JS	P 2UF, 250V	3	
C6638	ECWF2205JS	P 2UF, 250V	1	
C6639	ECQE2105RKB	P 1UF, 250V	1	
C6650,51	ECJ4XB1E475M	C 4.7UF, M, 25V	2	
C6652	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C6653	ECQE2224KF	P 0.22UF, 250V	1	
C6681,82	TCUY1C105ZFN	C 1UF, 16V	2	F1J1C1050006
C6683,84	EEUFC1E470	E 47UF, 25V	2	
C6685-94	ECJ3XK2J102K	C 1000PF, K,630V	10	
C6701-08	ECWF2105JS	P 1UF, 250V	8	
C6709	ECQE2105RKB	P 1UF, 250V	1	
C6711-14	ECA2DHG221	E 220UF, 200V	4	
C6717	ECJ3XB1E105K	C 1UF, K, 25V	1	ECJ3YB1E105K
C6718-20	EEUFC1E221	E 220UF, 25V	3	
C6721	EEUFC1E470	E 47UF, 25V	1	
C6722,23	ECA2CM101	E 100UF, 160V	2	
C6724	ECA2DHG221	E 220UF, 200V	1	
C6726	EEUFC1E561	E 560UF, 25V	1	
C6727-46	ECJ3XK2J102K	C 1000PF, K,630V	20	
C6747,48	ECJ4XB1E475M	C 4.7UF, M, 25V	2	
C6749	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C6750,51	ECJ4XB1E475M	C 4.7UF, M, 25V	2	
C6752	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C6753	ECQE2224KF	P 0.22UF, 250V	1	
C6758-61	ECJ3XB1E105K	C 1UF, K, 25V	4	ECJ3YB1E105K
C6762-64	TCUY1C105ZFN	C 1UF, 16V	3	F1J1C1050006
C6784	ECJ3XB2J222K	C 2200PF, K,630V	1	
C7101	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C7102	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C7103-06	TCUY1C105ZFN	C 1UF, 16V	4	F1J1C1050006
C7107	F1K2A1040004	C 0.1UF, 100V	1	
C7111	ECJ3XB2A104K	C 0.1UF, Z, 100V	1	
C7113	ECJ3XB2A104K	C 0.1UF, Z, 100V	1	
C7115	ECJ3XB2A104K	C 0.1UF, Z, 100V	1	
C7117	ECJ3XB2A104K	C 0.1UF, Z, 100V	1	
C7150-52	TCUY1C105ZFN	C 1UF, 16V	3	F1J1C1050006
C7201	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C7202	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C7203-06	TCUY1C105ZFN	C 1UF, 16V	4	F1J1C1050006
C7207	F1K2A1040004	C 0.1UF, 100V	1	
C7211	ECJ3XB2A104K	C 0.1UF, Z, 100V	1	
C7213	ECJ3XB2A104K	C 0.1UF, Z, 100V	1	
C7215	ECJ3XB2A104K	C 0.1UF, Z, 100V	1	
C7217	ECJ3XB2A104K	C 0.1UF, Z, 100V	1	
C7250-52	TCUY1C105ZFN	C 1UF, 16V	3	F1J1C1050006
C7301	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C7302	ECJ3XB0J106M	C 10UF, M,6.3V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C7303-06	TCUY1C105ZFN	C 1UF, 16V	4	F1J1C1050006
C7307	F1K2A1040004	C 0.1UF, 100V	1	
C7310	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C7311	ECJ3XB2A104K	C 0.1UF, Z, 100V	1	
C7313	ECJ3XB2A104K	C 0.1UF, Z, 100V	1	
C7316,17	ECJ3XB2A104K	C 0.1UF, Z, 100V	2	
C7350-52	TCUY1C105ZFN	C 1UF, 16V	3	F1J1C1050006
C7401	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C7402	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C7403-06	TCUY1C105ZFN	C 1UF, 16V	4	F1J1C1050006
C7407	F1K2A1040004	C 0.1UF, 100V	1	
C7411	ECJ3XB2A104K	C 0.1UF, Z, 100V	1	
C7413	ECJ3XB2A104K	C 0.1UF, Z, 100V	1	
C7415	ECJ3XB2A104K	C 0.1UF, Z, 100V	1	
C7417	ECJ3XB2A104K	C 0.1UF, Z, 100V	1	
C7450-52	TCUY1C105ZFN	C 1UF, 16V	3	F1J1C1050006
C8001	ECJ1XF1H103Z	C 0.01UF, Z, 50V	1	ECJ1VF1H103Z
C8002	EEVHP1E220	E 22UF, 25V	1	EEVHP1E220P
C8003	ECJ1XB1H471K	C 470PF, K, 50V	1	ECJ1VB1H471K
C8005	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C8007	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8008	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C8009	TCUY1C475ZFM	C 4.7UF, 16V	1	F1K1C4750018
C8010	TCUY1C225KBM	C 2.2UF, 16V	1	F1K1C225A026
C8011	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8012	ECJ1XB1H103K	C 0.01UF, K, 50V	1	ECJ1VB1H103K
C8013	ECJ3VB1C474K	C 0.47UF, K, 16V	1	
C8014,15	ECJ1XB1H103K	C 0.01UF, K, 50V	2	ECJ1VB1H103K
C8016	ECJ1XF1H103Z	C 0.01UF, Z, 50V	1	ECJ1VF1H103Z
C8017	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C8018	ECJ1XC1H102J	C 1000PF, J, 50V	1	
C8019	ECJ2XF1C105Z	C 1UF, Z, 16V	1	ECJ2VF1C105Z
C8020	ECJ1XC1H101J	C 100PF, J, 50V	1	
C8021	ECJ2XC1H222J	C 2200PF, J, 50V	1	
C9000,01	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9002	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C9003	EEVHB0G221	E 220UF, 4V	1	
C9004	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9005	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9008-10	EEVHP1E220	E 22UF, 25V	3	EEVHP1E220P
C9011	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C9012	TCUY0J685MBM	C 6.8UF, 6.3V	1	F1K0J685A003
C9013	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9014	TCUY1C105KBM	C 1UF, 16V	1	F1K1C105A026
C9015	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9016	TCUY0J685MBM	C 6.8UF, 6.3V	1	F1K0J685A003
C9017-19	ECJ1XC1H030C	C 3PF, C, 50V	3	
C9021-24	ECJ1XF1C104Z	C 0.1UF, Z, 16V	4	
C9025,26	ECJ2XB1E473K	C 0.047UF, K, 25V	2	ECJ2VB1E473K
C9027	ECJ1XB1H102K	C 1000PF, K, 50V	1	ECJ1VB1H102K
C9028	ECJ2XB1E473K	C 0.047UF, K, 25V	1	ECJ2VB1E473K
C9031	TCUY0J685MBM	C 6.8UF, 6.3V	1	F1K0J685A003
C9032,33	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9034	TCUY0J685MBM	C 6.8UF, 6.3V	1	F1K0J685A003
C9035	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9036	TCUY1C105KBM	C 1UF, 16V	1	F1K1C105A026
C9037-39	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9040	ECJ1XB1C393K	C 0.039UF, K, 16V	1	
C9041	ECJ1VB1H392K	C 3900PF, K, 50V	1	
C9042	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9045	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9048,49	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9054	ECJ1XC1H101J	C 100PF, J, 50V	1	
C9202	EEVHB0J330	E 33UF, 6.3V	1	
C9203	TCUY0J685MBM	C 6.8UF, 6.3V	1	F1K0J685A003
C9204-06	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9208-12	ECJ1XF1C104Z	C 0.1UF, Z, 16V	5	
C9213	TCUY0J685MBM	C 6.8UF, 6.3V	1	F1K0J685A003
C9215	TCUY1C105KBM	C 1UF, 16V	1	F1K1C105A026
C9216	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9217	TCUY0J685MBM	C 6.8UF, 6.3V	1	F1K0J685A003
C9218-20	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9225,26	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9229	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9236,37	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9243-46	ECJ1XF1C104Z	C 0.1UF, Z, 16V	4	
C9255	ECJ1XF1H103Z	C 0.01UF, Z, 50V	1	ECJ1VF1H103Z
C9256	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C9258-60	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9261	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C9262	ECJ3XC1H822J	C 8200PF, J, 50V	1	
C9263	ECJ2XB1C104K	C 0.1UF, K, 16V	1	ECJ2VB1C104K
C9264	ECJ2XB1E563K	C 0.056UF, K, 25V	1	ECJ2VB1E563K
C9265	TCUY1C105KBM	C 1UF, 16V	1	F1K1C105A026
C9266	TCUY0J685MBM	C 6.8UF, 6.3V	1	F1K0J685A003
C9267	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9268	TCUY0J685MBM	C 6.8UF, 6.3V	1	F1K0J685A003
C9269	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9300	ECJ1XB1C104K	C 0.1UF, K, 16V	1	ECJ1VB1C104K
C9302	ECJ1XB1C104K	C 0.1UF, K, 16V	1	ECJ1VB1C104K
C9304,05	EEVHB0G221	E 220UF, 4V	2	
C9306-08	ECJ1XB1C104K	C 0.1UF, K, 16V	3	ECJ1VB1C104K
C9310	ECJ1XB1C104K	C 0.1UF, K, 16V	1	ECJ1VB1C104K
C9312	ECJ1XB1C104K	C 0.1UF, K, 16V	1	ECJ1VB1C104K
C9314	EEVHB0G221	E 220UF, 4V	1	
C9315	ECJ1XB1C104K	C 0.1UF, K, 16V	1	ECJ1VB1C104K
C9316	TCUY0J685MBM	C 6.8UF, 6.3V	1	F1K0J685A003
C9317	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9318	TCUY1C105KBM	C 1UF, 16V	1	F1K1C105A026
C9319	TCUY0J685MBM	C 6.8UF, 6.3V	1	F1K0J685A003
C9320	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9353	ECJ1XF1H102Z	C 1000PF, Z, 50V	1	
C9354	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9355	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C9356	ECJ1XF1H102Z	C 1000PF, Z, 50V	1	
C9357	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C9358	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9361-66	ECJ1XC1H101J	C 100PF, J, 50V	6	
C9367	ECJ1XF1H103Z	C 0.01UF, Z, 50V	1	ECJ1VF1H103Z
C9368	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9369,70	ECJ1XF1H103Z	C 0.01UF, Z, 50V	2	ECJ1VF1H103Z
C9371	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9372	ECJ1XF1H103Z	C 0.01UF, Z, 50V	1	ECJ1VF1H103Z
C9373	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9374	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9375	ECJ1XF1H103Z	C 0.01UF, Z, 50V	1	ECJ1VF1H103Z
C9377,78	ECJ1XF1H103Z	C 0.01UF, Z, 50V	2	ECJ1VF1H103Z
C9379,80	ECJ1XC1H100D	C 10PF, D, 50V	2	
C9381	TCUY0J685MBM	C 6.8UF, 6.3V	1	F1K0J685A003
C9382	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9383	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9385	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9387,88	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9390,91	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9392	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9393	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9400	EECS5R5V155	E 1.5UF, 5.5V	1	
C9401	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9402,03	ECJ1XC1H150J	C 15PF, J, 50V	2	
C9450	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9451	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9452,53	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9454	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9455-60	ECJ1XF1C104Z	C 0.1UF, Z, 16V	6	
C9464	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9465	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9466,67	ECJ1XC1H330J	C 33PF, J, 50V	2	
C9468	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9469	TCUY0J685MBM	C 6.8UF, 6.3V	1	F1K0J685A003
C9470	TCUY1C105KBM	C 1UF, 16V	1	F1K1C105A026
C9472	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9502	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9503	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C9504	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9506	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9507,08	F2G0J1010021	E 100UF 6.3V	2	
C9526	ECJ1XF1H103Z	C 0.01UF, Z, 50V	1	ECJ1VF1H103Z
C9528-31	F2G1C4700030	E 47UF, 16V	4	
C9532,33	ECJ3XF1C475Z	C 4.7UF, Z, 16V	2	
C9534	ECJ3VB1C104K	C 0.1UF, Z, 16V	1	
C9543	EEVHB0G221	E 220UF, 4V	1	
C9544	F2G0J1010021	E 100UF 6.3V	1	
C9570	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9573	EEVHB0G221	E 220UF, 4V	1	
C9574	TCUY0J685MBM	C 6.8UF, 6.3V	1	F1K0J685A003
C9575-77	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9579,80	TCUY0J685MBM	C 6.8UF, 6.3V	2	F1K0J685A003
C9583	ECJ1XB1H102K	C 1000PF, K, 50V	1	ECJ1VB1H102K
C9584,85	ECJ2XB1E104K	C 0.1UF, K, 25V	2	
C9586	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C9587	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C9588	F2G0J1010021	E 100UF 6.3V	1	
C9589	ECJ2XC1H222J	C 2200PF, J, 50V	1	
C9590	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C9591	F2G0J1010021	E 100UF 6.3V	1	
C9602,03	ECJ1XC1H101J	C 100PF, J, 50V	2	
C9608,09	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9610-13	ECJ3XF1C475Z	C 4.7UF, Z, 16V	4	
C9614-41	ECJ1XF1C104Z	C 0.1UF, Z, 16V	28	
C9642	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9643,44	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9645	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9647	ECJ1XC1H100D	C 10PF, D, 50V	1	
C9648	ECJ1XC1H331J	C 330PF, Z, 50V	1	
C9649	ECJ1XC1H100D	C 10PF, D, 50V	1	
C9650	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C9651	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9658	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9659,60	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9661	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9664,65	TCUY0J685MBM	C 6.8UF, 6.3V	2	F1K0J685A003
C9666,67	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9668	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C9700	ECJ1XF1H103Z	C 0.01UF, Z, 50V	1	ECJ1VF1H103Z
C9701	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9702	ECJ1XF1H103Z	C 0.01UF, Z, 50V	1	ECJ1VF1H103Z
C9705	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9706,07	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9708	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9709-12	ECJ1XF1C104Z	C 0.1UF, Z, 16V	4	
C9713	TCUY0J685MBM	C 6.8UF, 6.3V	1	F1K0J685A003
C9714,15	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9716	TCUY0J685MBM	C 6.8UF, 6.3V	1	F1K0J685A003
C9717,18	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9719	TCUY1C105KBM	C 1UF, 16V	1	F1K1C105A026
C9721,22	ECJ1XC1H330J	C 33PF, J, 50V	2	
C9723	ECJ1XC1H471J	C 470PF, J, 50V	1	
C9724	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9725	TCUY0J685MBM	C 6.8UF, 6.3V	1	F1K0J685A003
C9726-29	ECJ1XF1C104Z	C 0.1UF, Z, 16V	4	
C9730	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C9731	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9800-05	ECJ1XF1C104Z	C 0.1UF, Z, 16V	6	
C9806	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9807-14	ECJ1XF1C104Z	C 0.1UF, Z, 16V	8	
C9815	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9880-84	ECJ1XF1C104Z	C 0.1UF, Z, 16V	5	
C9885	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9886-93	ECJ1XF1C104Z	C 0.1UF, Z, 16V	8	
C9894	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9895	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9901,02	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9903	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C9907	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9908	ECJ1XF1H102Z	C 1000PF, Z, 50V	1	
C9915	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9916	ECJ1XB1C563K	C 0.056UF, K, 16V	1	ECJ1VB1C563K
C9917,18	ECJ1XC1H330J	C 33PF, J, 50V	2	
C9922	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9923	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C9924,25	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
CA1-A8	K1MN80B00001	1P CONNECTOR	8	
CB1-B8	K1MN80B00001	1P CONNECTOR	8	
D1	K1KA50B00064	50P CONNECTOR	1	
D2,D3	K1KA40B00076	40P CONNECTOR	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D4	K1KA12B00066	12P CONNECTOR	1	
D10	K1KA04A00199	4P CONNECTOR	1	
D12,13	K1KA50A00125	50P CONNECTOR	2	
D16	K1KA10A00317	10P CONNECTOR	1	
D17	K1KA08A00293	8P CONNECTOR	1	
D20	K1KA10A00266	10P CONNECTOR	1	
D21	K1KA11A00078	11P CONNECTOR	1	
D22,23	K1KA50A00125	50P CONNECTOR	2	
D25	K1KA08A00293	8P CONNECTOR	1	
D26	K1KA10A00317	10P CONNECTOR	1	
D27	K1KA09A00077	9P CONNECTOR	1	
D31-34	K1MN80B00002	CONNECTOR	4	
D081	LNJ107W5PRW	LED	1	
D082	MA8056M	ZENER DIODE	1	MAZ80560M
D400,01	D1NL40V70	DIODE	2	B0HALP000002
D402	B0FBBR000015	DIODE	1	⚠
D403	MA4300H	ZENER DIODE	1	MAZ43000H
D404	D1NL20UV70	DIODE	1	B0HAMM000072
D405	MA4300H	ZENER DIODE	1	MAZ43000H
D406	TVSRM10B	DIODE	1	B0EAKT000012
D407	B0FASR000001	DIODE	1	⚠
D408	MA4300H	ZENER DIODE	1	MAZ43000H
D411	D1NL40V70	DIODE	1	B0HALP000002
D412	MA165	DIODE	1	MA2C165
D413	D1NL40V70	DIODE	1	B0HALP000002
D414,15	RK34	DIODE	2	
D416,17	AK04	DIODE	2	B0JAMC000003
D418	D1NL40V70	DIODE	1	B0HALP000002
D419	TMPG10G3	DIODE	1	B0BA01000046
D420	ERZV10V621P2	VARISTOR	1	⚠
D421	S1WBA80	DIODE	1	B0EBKT000003 ⚠
D423	D1NL40V70	DIODE	1	B0HALP000002
D425	ERA22-10	DIODE	1	B0EAEV000002
D427	RC3B2LFU1	DIODE	1	
D428	D1NL20UV70	DIODE	1	B0HAMM000072
D429	MA2120A	ZENER DIODE	1	MAZ21200A
D431,32	PC123FY2	PHOTO COUPLER	2	B3PAA0000012 ⚠
D433	TVSES1C	DIODE	1	B0HAGV000006
D434	EG01A	DIODE	1	B0HAGR000006
D435	MA167	DIODE	1	MA2C167
D436	B0BA02700021	DIODE	1	
D437	TVSRG2A	DIODE	1	B0EAKR000024
D438	FMX-G26S	DIODE	1	
D439,40	EU02	DIODE	2	
D441,42	S3L20U	DIODE	2	
D443,44	D4L20UAF4012	DIODE	2	B0HAQM000004
D445	PC123FY2	PHOTO COUPLER	1	B3PAA0000012 ⚠
D446	MA4051M	ZENER DIODE	1	MAZ40510M
D455	MA165	DIODE	1	MA2C165
D459	MA700A	DIODE	1	MA2C700A
D460	MA165	DIODE	1	MA2C165
D461	D1NL20UV70	DIODE	1	B0HAMM000072
D462	RK34	DIODE	1	
D464-66	D1NL40V70	DIODE	3	B0HALP000002
D467-70	MA165	DIODE	4	MA2C165

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D471	MA167	DIODE	1	MA2C167
D474	MA167	DIODE	1	MA2C167
D475	D1NL40V70	DIODE	1	B0HALP000002
D478	MA167	DIODE	1	MA2C167
D479	MA4056M	ZENER DIODE	1	MAZ40560M
D500-02	ERA15-02	DIODE	3	B0EAKM000016
D504	MA4047H	ZENER DIODE	1	MAZ40470H
D505	MA4082L	ZENER DIODE	1	MAZ40820L
D508	B0BA02700021	DIODE	1	
D509	MA4068H	ZENER DIODE	1	MAZ40680H
D510,11	ERA15-02	DIODE	2	B0EAKM000016
D512	D1NL40V70	DIODE	1	B0HALP000002
D515,16	ERA15-02	DIODE	2	B0EAKM000016
D604	PC123FY2	PHOTO COUPLER	1	B3PAA0000012 ⚠
D605	M1FS4	DIODE	1	
D606	PC123FY2	PHOTO COUPLER	1	B3PAA0000012 ⚠
D607	MA3062M	ZENER DIODE	1	MAZ30620M
D613-15	MA111	DIODE	3	MA2J111
D650	MA3110M	ZENER DIODE	1	MAZ31100M
D651	MA111	DIODE	1	MA2J111
D653	MA3020	ZENER DIODE	1	
D654	M1FS4	DIODE	1	
D655	MA3075M	ZENER DIODE	1	MAZ30750M
D656	M1FS4	DIODE	1	
D657,58	D1FL40F4063	DIODE	2	B0ECHP000001
D659	MA3075M	ZENER DIODE	1	MAZ30750M
D730	MA111	DIODE	1	MA2J111
D731-33	D1FL40F4063	DIODE	3	B0ECHP000001
D734	MA111	DIODE	1	MA2J111
D735	MA3220-L	DIODE	1	MAZ32200LL
D736	D1FL40F4063	DIODE	1	B0ECHP000001
D737	M1FS4	DIODE	1	
D739	MA3220-L	DIODE	1	MAZ32200LL
D741	MA3033L	ZENER DIODE	1	MAZ30330L
D743	M1FS4	DIODE	1	
D751,52	MA111	DIODE	2	MA2J111
D753	MA3033L	ZENER DIODE	1	MAZ30330L
D775,76	MA111	DIODE	2	MA2J111
D777	MA3039H	ZENER DIODE	1	MAZ30390H
D900	ERZV10V621P2	VARISTOR	1	⚠
D2301-04	M1FS4	DIODE	4	
D2305,06	RU4AM	DIODE	2	
D2307	MA111	DIODE	1	MA2J111
D2308	MA152WK	DIODE	1	MA3X152E
D2316,17	M1FS4	DIODE	2	
D3001	MA111	DIODE	1	MA2J111
D3002	M1FS4	DIODE	1	
D3351,52	MA153	DIODE	2	MA3X153
D3501-04	MA3056M	ZENER DIODE	4	MAZ30560M
D3505,06	MA153	DIODE	2	MA3X153
D3507	MA111	DIODE	1	MA2J111
D6401,02	MA8056H	ZENER DIODE	2	MAZ80560H
D6403,04	D1FL40F4063	DIODE	2	B0ECHP000001
D6411,12	MA8056H	ZENER DIODE	2	MAZ80560H
D6413,14	D1FL40F4063	DIODE	2	B0ECHP000001
D6452,53	MA111	DIODE	2	MA2J111

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6454	TLP181	PHOTO COUPLER	1	B3PBA0000081
D6455	MA111	DIODE	1	MA2J111
D6456	D1FL40F4063	DIODE	1	B0ECHP000001
D6457	M1FL20UF4063	DIODE	1	B0HCMM000009
D6458	TLP181	PHOTO COUPLER	1	B3PBA0000081
D6459	MA111	DIODE	1	MA2J111
D6460,61	B0HCKS000001	DIODE	2	
D6465,66	MA8330M	ZENER DIODE	2	MAZ83300ML
D6467	TLP181	PHOTO COUPLER	1	B3PBA0000081
D6468	MA111	DIODE	1	MA2J111
D6469	TLP181	PHOTO COUPLER	1	B3PBA0000081
D6470	MA111	DIODE	1	MA2J111
D6472,73	MA111	DIODE	2	MA2J111
D6474	TLP181	PHOTO COUPLER	1	B3PBA0000081
D6475	MA111	DIODE	1	MA2J111
D6476	D1FL40F4063	DIODE	1	B0ECHP000001
D6477	MA8051L	DIODE	1	MAZ80510LL
D6478	B0HCKS000001	DIODE	1	
D6479	MA111	DIODE	1	MA2J111
D6480	TLP181	PHOTO COUPLER	1	B3PBA0000081
D6481,82	MA8330M	ZENER DIODE	2	MAZ83300ML
D6491,92	D1FL40F4063	DIODE	2	B0ECHP000001
D6495	B0HCKS000001	DIODE	1	
D6501-08	K7GBZEE00002	PHOTO COUPLER	8	
D6509	MA111	DIODE	1	MA2J111
D6511	M1FL20UF4063	DIODE	1	B0HCMM000009
D6512-14	MA111	DIODE	3	MA2J111
D6520	MA111	DIODE	1	MA2J111
D6521	D1FL40F4063	DIODE	1	B0ECHP000001
D6522	MA111	DIODE	1	MA2J111
D6523	D1FL40F4063	DIODE	1	B0ECHP000001
D6524	MA8051L	DIODE	1	MAZ80510LL
D6525	MA111	DIODE	1	MA2J111
D6526	M1FL20UF4063	DIODE	1	B0HCMM000009
D6541	B0HCKS000001	DIODE	1	
D6542	MA111	DIODE	1	MA2J111
D6543	MA8051L	DIODE	1	MAZ80510LL
D6544	MA111	DIODE	1	MA2J111
D6545	MA8051L	DIODE	1	MAZ80510LL
D6546-48	MA8330M	ZENER DIODE	3	MAZ83300ML
D6549,50	MA111	DIODE	2	MA2J111
D6551,52	MA8051L	DIODE	2	MAZ80510LL
D6553	MA111	DIODE	1	MA2J111
D6570	M1FL20UF4063	DIODE	1	B0HCMM000009
D6572	D1FL40F4063	DIODE	1	B0ECHP000001
D6582	MA8051L	DIODE	1	MAZ80510LL
D6583	LNJ201LPQJA	LED	1	
D6584	MA111	DIODE	1	MA2J111
D6585,86	MA8330M	ZENER DIODE	2	MAZ83300ML
D6600	D1FL40F4063	DIODE	1	B0ECHP000001
D6605-10	M1FS4	DIODE	6	
D6611-22	B0HDSM000004	DIODE	12	
D6623-29	SF20LC30F10	DIODE	7	
D6631,32	D1FL40F4063	DIODE	2	B0ECHP000001
D6633,34	M1FS4	DIODE	2	
D6641,42	D1FL40F4063	DIODE	2	B0ECHP000001
D6643	MA111	DIODE	1	MA2J111

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6644	MA8051L	DIODE	1	MAZ80510LL
D6649	D1FL40F4063	DIODE	1	B0ECHP000001
D6711-22	B0HDSM000004	DIODE	12	
D6723-29	SF20LC30F10	DIODE	7	
D6734-39	M1FS4	DIODE	6	
D6740-42	D1FL40F4063	DIODE	3	B0ECHP000001
D6743	MA111	DIODE	1	MA2J111
D6744	MA8051L	DIODE	1	MAZ80510LL
D6749,50	M1FS4	DIODE	2	
D6751-53	D1FL40F4063	DIODE	3	B0ECHP000001
D6754	MA111	DIODE	1	MA2J111
D6755	MA8051L	DIODE	1	MAZ80510LL
D6756	M1FS4	DIODE	1	
D6757	TMPG10G3	DIODE	1	B0BA01000046
D6758,59	MA8330M	ZENER DIODE	2	MAZ83300ML
D6760	LNJ201LPQJA	LED	1	
D6761	MA8051L	DIODE	1	MAZ80510LL
D6762,63	MA111	DIODE	2	MA2J111
D6764	LNJ201LPQJA	LED	1	
D6769	D1FL40F4063	DIODE	1	B0ECHP000001
D6770	MA111	DIODE	1	MA2J111
D6772	MA111	DIODE	1	MA2J111
D6773	D1FL40F4063	DIODE	1	B0ECHP000001
D7301-04	MA152K	DIODE	4	MA3X152K
D8001,02	MA111	DIODE	2	MA2J111
D9000	MA3036H	ZENER DIODE	1	MAZ30360H
D9001-09	MA3062M	ZENER DIODE	9	MAZ30620M
D9351	MA152K	DIODE	1	MA3X152K
D9352,53	MA3062M	ZENER DIODE	2	MAZ30620M
D9356	MA111	DIODE	1	MA2J111
D9550	B0JCPD000010	DIODE	1	
D9551	MA113	DIODE	1	MA2J113
D9552	M1FS4	DIODE	1	
D9553	MA152K	DIODE	1	MA3X152K
D9901	MA152K	DIODE	1	MA3X152K
F900-1.	EYF-52BC	FUSE HOLDER	1	
F1	TJS3A9630	CONNECTOR	1	K1KA03A00183
F900-2.	EYF-52BC	FUSE HOLDER	1	
F9	TJS3A9630	CONNECTOR	1	K1KA03A00183
F901-1.,2.	EYF-52BC	FUSE HOLDER	2	
H1	K1KB50B00030	50P CONNECTOR	1	
H2	K1KB40B00015	40P CONNECTOR	1	
H37	TJS3A9640	3P CONNECTOR	1	K1KA03A00171
HX1	K1KB40B00015	40P CONNECTOR	1	
IC400	MIP0210SY1TV	IC (LOGIC)	1	
IC401	AN7718F	LINEAR IC	1	
IC403	AN7705F	LINEAR IC	1	
IC406	AN1431T	IC	1	C0DAEJC00003
IC407	C0DAAZG00006	IC	1	
IC411	PQ30RV21A	LINEAR IC	1	C0DAEZH00008
IC416	AN1431T	IC	1	C0DAEJC00003
IC600	C0ZAZ0000116	IC	1	
IC601	M51997P	LINEAR IC	1	C0CAALC00004

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC603,04	C0DAEJC00003	IC	2	
IC650	AN8026	LINEAR IC	1	
IC735	C0DACHC00002	IC	1	
IC736	AN6912	LINEAR IC	1	
IC737	AN78L05	LINEAR IC	1	
IC750	AN6912	LINEAR IC	1	
IC775	AN6912	LINEAR IC	1	
IC2301,02	TDA7480	LINEAR IC	2	C1AA00000561
IC2304	PQ09SZ1T	IC	1	C0CBAHG00005
IC2401	BH3865S	LINEAR IC	1	C1BA00000302
IC3001	C1AB00001139	IC	1	
IC3002,03	MC14052BF	MOS IC (CMOS GATE ARRLY)	2	C0JBAR000021
IC3004	CXA1315M	LINEAR IC	1	C1AB00000440
IC3006	PQ09SZ1T	IC	1	C0CBAHG00005
IC3007,08	PQ12SZ1T	IC	2	C0CBAKG00003
IC3009	AHC2G66HDCTR	INTEGRATED CIRCUIT	1	C0JBAS000109
IC3301	TC4W53F	MOS IC (CMOS S/LOGIC)	1	C0JBAR000224
IC3302	C0ABGB000001	IC	1	
IC3303	TC4W53F	MOS IC (CMOS S/LOGIC)	1	C0JBAR000224
IC3501	JLC1562BF	MOS IC (MICON LSI)	1	C0JBAZ001265
IC3502	TVRJ857	ROM IC	1	C3EBCC000020
IC3515	C0ZBZ0000205	IC	1	
IC3699	TVRJ784-2	ROM IC (EEPROM 16KBIT)	1	C3EAGC000010 (Y VERSION)
IC3699	TVRJ642-3	ROM IC	1	Z VERSION
IC3801	MM1065ZMR	IC	1	C0CBABB00029
IC3802	C0EBE0000066	IC	1	
IC3803	TVSA0500	IC	1	C3ABMG000074
IC3804	C1AB00001494	IC	1	
IC3805,06	MM1065ZMR	IC	2	C0CBABB00029
IC3809	TC74LCX244F	MOS IC (CMOS S/LOGIC)	1	C0JBAZ001234
IC4551	C0JBAE000228	IC	1	
IC6401-06	C0HBC0000005	IC	6	
IC6407-12	C0HBC0000006	IC	6	C0HBC0000005
IC6451	AN1431M	LINEAR IC	1	
IC6452,53	AN78L15M	LINEAR IC	2	
IC6454	AN78L05M	LINEAR IC	1	
IC6471	AN1431M	LINEAR IC	1	
IC6491	AN1431M	LINEAR IC	1	
IC6501,02	TC74HC14AF	IC	2	C0JBAB000155
IC6511	C0ZBZ0000561	IC	1	
IC6521	C0ZBZ0000561	IC	1	
IC6541,42	C0ZBZ0000561	IC	2	
IC6581	NJM2903M	INTEGRATED CIRCUIT	1	C0BBBA000019
IC6601,02	C0ZBZ0000562	IC	2	
IC6604	M63991FP	LINEAR IC	1	
IC6605,06	TC74HC244AF	IC	2	
IC6612	C0DBEZE00002	IC	1	
IC6671	AN1431M	LINEAR IC	1	
IC6701,02	C0ZBZ0000562	IC	2	
IC6704,05	C0ZBZ0000561	IC	2	
IC6706	TC74HC244AF	IC	1	
IC6707	NJM2903M	INTEGRATED CIRCUIT	1	C0BBBA000019
IC6708	C0DBEZE00002	IC	1	
IC6709	AN1431M	LINEAR IC	1	
IC7101	C0JBAZ000005	IC	1	
IC7105-07	C0JBAZ000005	IC	3	
IC7201	C0JBAZ000005	IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC7205-07	C0JBAZ000005	IC	3	
IC7301	C0JBAZ000005	IC	1	
IC7305-07	C0JBAZ000005	IC	3	
IC7401	C0JBAZ000005	IC	1	
IC7405-07	C0JBAZ000005	IC	3	
IC8001	M52346SP	LINEAR IC	1	C1AA00000395
IC8002	TC74HC14AF	IC	1	C0JBAB000155
IC9000	PQ09SZ1T	IC	1	C0CBAHG00005
IC9001	C0CBCBD00005	IC	1	
IC9002-04	C0ABHA000033	IC	3	
IC9006	C0CBCBD00005	IC	1	
IC9007	C0FBAD000069	IC	1	
IC9200	MN84504	MOS IC	1	
IC9203	C0CBCBD00005	IC	1	
IC9210	C3ABPJ000017	IC	1	
IC9212	TLC2933IPWL	IC	1	C0ABFA000012
IC9213	C0CBCBD00005	IC	1	
IC9300	C0ZBZ0000551	IC	1	
IC9301	C0CBCBD00005	IC	1	
IC9351	MN102L230	IC	1	
IC9353	HM538123BJ8Z	IC	1	C3HAHC000006
IC9354	TVRJ708-3	IC	1	
IC9355	TVRJ859	IC	1	
IC9356	C0JBAZ001201	IC	1	
IC9357	C1DB00000274	IC	1	
IC9450S	TJSB01108	IC SOCKET	1	
IC9450	TVRJ709-1	IC	1	
IC9451	C1ZBZ0001996	IC	1	
IC9452	TC74HCU04AF	MOS IC (CMOS S/LOGIC)	1	C0JBAB000159
IC9453	C0EBE0000066	IC	1	
IC9455	C0CBCAD00007	IC	1	
IC9550	C0DBAZH00008	IC	1	
IC9551	C0DBAMH00006	IC	1	
IC9601	MN84505	MOS IC	1	
IC9602	C3ABPJ000043	IC	1	
IC9603	TVRJ665	IC	1	
IC9604	C0ZBZ0000423	IC	1	
IC9611	PQ07VZ012ZP	IC	1	C0DBEZG00004
IC9612	C0JBAZ000855	IC	1	
IC9651	MN84505	MOS IC	1	
IC9652	C3ABPJ000043	IC	1	
IC9653	TVRJ666	IC	1	
IC9700S	TJSB01108	IC SOCKET	1	
IC9700	TVRJ710	INTEGRATED CIRCUIT	1	
IC9701	C1ZBZ0001996	IC	1	
IC9702	PST9128NR	IC (LOGIC)	1	C0EBE0000066
IC9703	C0CBCAD00007	IC	1	
IC9704	C0ZBZ0000423	IC	1	
IC9710-13	C0JBAZ001201	IC	4	
IC9801-12	C0JBAZ001201	IC	12	
IC9821-32	C0JBAZ001201	IC	12	
IC9900	C2BBFE000121	IC	1	
IC9902	M51957BFP	LINEAR IC	1	C0EBB0000024
IC9904	TC7SH32F	IC	1	C0JBAE000191
JK3300	K2HA204B0097	JACK	1	Y VERSION
JK3301	K1CB106B0027	CONNECTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
JK3302	K1QBB2AB0005	CONNECTOR	1	Y VERSION
JK3303	K2HA204B0097	JACK	1	Y VERSION
JK3304	K1QBB5AB0003	CONNECTOR	1	Y VERSION
JK3305	K2HA306B0048	JACK	1	K10BB2AB0005 Z VERSION
JK3306	K2HA306B0049	JACK	1	K10BB5AB0003 Z VERSION
JK3307	K2HA204B0097	JACK	1	Z VERSION
JK3308	K2HA204B0096	JACK	1	K2HA204B0097 Z VERSION
JK3509	K1FB109B0058	CONNECTOR	1	
JK3511	TJS8A9880	CONNECTOR	1	K1FB115B0034
JK3513	K2HC103B0105	JACK	1	
JK8500	K4BC02B00013	TERMINAL	1	
JS1-24	ERJ3GEY0R00	M 0 OHM, 1/16W	24	
JS28-32	ERJ3GEY0R00	M 0 OHM, 1/16W	5	
JS35	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS401	ERDS2TC0	C 0 OHM, 1/4W	1	
JS2301	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
JS8019	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
L401	G4D4A0000037	SWITCHING TRANSFORMER	1	
L404	G0ZZ00002045	COIL	1	
L407	ELEXT100KA	PEAKING COIL	1	
L423,24	EXCELSA39	BEAD CHOKE	2	
L426	EXCELSA39	BEAD CHOKE	1	
L428	TLPF075	CHOKE COIL	1	G0A221G00004
L430	EXCELSA39	BEAD CHOKE	1	
L435	EXCELDR25C	BEAD CHOKE	1	
L901	G0A143K00001	LINE CHOKE COIL	1	⚠
L902,03	G0B123K00001	CHOKE COIL	2	⚠
L2301,02	G0ZZ00002023	COIL	2	
L2303,04	EXCELDR35C	BEAD CHOKE	2	
L2306	ELJPA100KB	CHIP INDUCTOR	1	
L3001-03	ELJPA100KB	CHIP INDUCTOR	3	
L3007,08	ELJPA100KB	CHIP INDUCTOR	2	
L3301	TLK20LFA223M	EMI FILTER	1	J0HABB000003
L3302,03	TLK20LFA224M	EMI FILTER	2	J0HABB000004
L3304,05	TLK20LFA223M	EMI FILTER	2	J0HABB000003
L3306,07	ELJPA100KB	CHIP INDUCTOR	2	
L3351,52	TLK20LFA223M	EMI FILTER	2	J0HABB000003
L3353-55	TLK20LFA224M	EMI FILTER	3	J0HABB000004
L3356,57	TLK20LFA223M	EMI FILTER	2	J0HABB000003
L3358,59	ELJPA100KB	CHIP INDUCTOR	2	
L3501	ELJPA100KB	CHIP INDUCTOR	1	
L3507-09	TLK20LFA224M	EMI FILTER	3	J0HABB000004
L3510-13	TLK212T256AL	EMI FILTER	4	J0HAAB000012
L3525,26	ELJPA100KB	CHIP INDUCTOR	2	
L3530	ELJPA100KB	CHIP INDUCTOR	1	
L3555	ELJPA100KB	CHIP INDUCTOR	1	
L3801,02	TLK20LFA224M	EMI FILTER	2	J0HABB000004
L3803	G1C100KA0008	INDUCTOR COIL	1	
L3804	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
L3806	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
L3807	TALC168T2R2K	CHIP INDUCTOR COIL	1	G1C2R2K00006
L3808	G1C100KA0008	INDUCTOR COIL	1	
L3809	TALC325T4R7M	CHIP INDUCTOR COIL	1	
L3810,11	G1C100KA0008	INDUCTOR COIL	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L3813	TALC168T4R7K	CHIP INDUCTOR COIL	1	G1C4R7K00013
L3814-16	G1C100KA0008	INDUCTOR COIL	3	
L3817-19	TLK20LFA224M	EMI FILTER	3	J0HABB000004
L3820,21	TLK20LFA223M	EMI FILTER	2	J0HABB000003
L3822-25	ELKE103FA	NOISE FILTER	4	
L3826,27	TLK20LFA224M	EMI FILTER	2	J0HABB000004
L3828,29	TLK20LFA223M	EMI FILTER	2	J0HABB000003
L3830	ELJPA100KB	CHIP INDUCTOR	1	
L4551	ELJPA100KB	CHIP INDUCTOR	1	
L6451,52	J0JJC0000021	CHIP INDUCTOR	2	
L6471	J0JJC0000021	CHIP INDUCTOR	1	
L6607,08	J0JJC0000021	CHIP INDUCTOR	2	
L6611,12	G0A1R0L00001	CHOKE COIL	2	
L6614,15	G0A1R0L00001	CHOKE COIL	2	
L6618-56	J0JJC0000021	CHIP INDUCTOR	39	
L6701-04	G0A1R0L00001	CHOKE COIL	4	
L6713	TSKA158	BEAD CORE	1	G0ZZ00001935
L6714	TALL08N101KA	INDUCTION COIL	1	G0A101EA0008
L6715-17	TSKA158	BEAD CORE	3	G0ZZ00001935
L6718-56	J0JJC0000021	CHIP INDUCTOR	39	
L6758	J0JJC0000021	CHIP INDUCTOR	1	
L7101-06	TSKA122	CHIP INDUCTOR	6	J0JJC0000011
L7201-06	TSKA122	CHIP INDUCTOR	6	J0JJC0000011
L7301-06	TSKA122	CHIP INDUCTOR	6	J0JJC0000011
L7401-06	TSKA122	CHIP INDUCTOR	6	J0JJC0000011
L8001,02	ELJPA100KB	CHIP INDUCTOR	2	
L8501,02	TLPD061	LINE FILTER	2	G0A2R5H00003
L9001-04	ELKE103FA	NOISE FILTER	4	
L9005-10	EXCCL3225U1	EMI FILTER	6	
L9200,01	EXCCL3225U1	EMI FILTER	2	
L9300	EXCCL3225U1	EMI FILTER	1	
L9350	ELJPA100KB	CHIP INDUCTOR	1	
L9450	EXCCL3225U1	EMI FILTER	1	
L9451	ELJPA150KF	CHIP INDUCTOR	1	
L9501	EXCCL3225U1	EMI FILTER	1	
L9502	G1C470M00012	INDUCTOR COIL	1	
L9550	G1C220M00029	INDUCTOR COIL	1	
L9551	EXCCL3225U1	EMI FILTER	1	
L9602	ELJFA1R0KF	CHIP COIL	1	
L9652	ELJFA1R0KF	CHIP COIL	1	
L9801	EXCCL3225U1	EMI FILTER	1	
L9802-09	ERJ3GEY0R00	M 0 OHM, 1/16W	8	
L9812	EXCCL3225U1	EMI FILTER	1	
L9853	EXCCL3225U1	EMI FILTER	1	
LC3805	ELB4B578	LC FILTER	1	
LC9000-02	J0E3505B0002	LCR FILTER	3	
LC9003	ELKE103FA	NOISE FILTER	1	
LC9006	ELKE103FA	NOISE FILTER	1	
LC9300-02	ELKE103FA	NOISE FILTER	3	
LC9501,02	ELKE103FA	NOISE FILTER	2	
LC9504	ELKE103FA	NOISE FILTER	1	
LC9555	ELKE103FA	NOISE FILTER	1	
LC9852	ELKE103FA	NOISE FILTER	1	
P1	TJS3A9680	7P CONNECTOR	1	K1KA07A00095
P2	TJS3A9670	6P CONNECTOR	1	K1KA06A00179

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
P3	TJS1A8860	CONNECTOR	1	K1KA10A00259
P4	TJS1A8790	3P CONNECTOR	1	K1KA03A00213
P5	TJS1A8840	8P CONNECTOR	1	K1KA08A00221
P6	TJS1A8830	CONNECTOR	1	K1KA07A00056
P7	TJS1A8850	9P CONNECTOR	1	K1KA09A00099
P9	TJS158130	2P CONNECTOR	1	K1KA02A00244
P10-13	TJS3A9640	3P CONNECTOR	4	K1KA03A00171
P14	TJS1A8800	4P CONNECTOR	1	K1KA04A00242
P15A	TJS5A8850	13P CONNECTOR	1	K1KA13B00025
P15	TJS6A8600	13P CONNECTOR	1	
P16A	TJS5A8160	CONNECTOR	1	K1KA08B00119
P16	TJS5A9420	8P CONNECTOR	1	K1KB08A00054
P18A	TJS5A8520	10P CONNECTOR	1	K1KA10B00095
P18	TJS6A8160	10P CONNECTOR	1	K1KA10A00212
P19A	TJS5A8710	12P CONNECTOR	1	K1KA12B00073
P19	TJS6A8590	12P CONNECTOR	1	K1KA12A00149
P20	TJS158130	2P CONNECTOR	1	K1KA02A00244
P21A	TJS5A8150	9P CONNECTOR	1	K1KA09B00020
P21	TJS6A8570	9P CONNECTOR	1	K1KB09A00027
P22A	TJS5A8160	CONNECTOR	1	K1KA08B00119
P22	TJS5A9420	8P CONNECTOR	1	K1KB08A00054
Q082	2SD601A	TRANSISTOR	1	2SD0601A
Q400-02	B1DEGR000016	DIODE	3	
Q403	2SD2177R	TRANSISTOR	1	
Q404	2SB1398	TRANSISTOR	1	2SB13980Q
Q407	2SK3318000LB	FET	1	
Q408	2SK2710A	FET	1	
Q409	2SD2177R	TRANSISTOR	1	
Q410	2SB1434R	TRANSISTOR	1	2SB14340RA
Q416	2SK2847	FET	1	B1DEFU000002
Q417-19	2SC3311A	TRANSISTOR	3	2SC3311AW
Q422	2SB1030A	TRANSISTOR	1	2SB1030AR
Q423	2SC3311A	TRANSISTOR	1	2SC3311AW
Q426	2SK2197	FET	1	B1DAHQ000001
Q427	2SA1309A	TRANSISTOR	1	2SA13090WA
Q428,29	2SC3311A	TRANSISTOR	2	2SC3311AW
Q430	2SB621A	TRANSISTOR	1	2SB0621AW
Q431	2SC3311A	TRANSISTOR	1	2SC3311AW
Q600,01	2SC3311A	TRANSISTOR	2	2SC3311AW
Q602	2SD2177R	TRANSISTOR	1	
Q603	2SB1434R	TRANSISTOR	1	2SB14340RA
Q604	2SA1309A	TRANSISTOR	1	2SA13090WA
Q605,06	2SC3311A	TRANSISTOR	2	2SC3311AW
Q650,51	2SC3311A	TRANSISTOR	2	2SC3311AW
Q750	2SC3311A	TRANSISTOR	1	2SC3311AW
Q751	2SA1309A	TRANSISTOR	1	2SA13090WA
Q775	2SC3311A	TRANSISTOR	1	2SC3311AW
Q776	2SA1309A	TRANSISTOR	1	2SA13090WA
Q2301-03	2SD601A	TRANSISTOR	3	2SD0601A
Q2305,06	2SD601A	TRANSISTOR	2	2SD0601A
Q2406	2SD601A	TRANSISTOR	1	2SD0601A
Q2408	2SD601A	TRANSISTOR	1	2SD0601A
Q2410	2SD601A	TRANSISTOR	1	2SD0601A
Q3013,14	2SD601A	TRANSISTOR	2	2SD0601A
Q3085,86	2SB709A	TRANSISTOR	2	2SB0709A
Q3301-09	2SD601A	TRANSISTOR	9	2SD0601A

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q3351,52	2SD601A	TRANSISTOR	2	2SD0601A
Q3353	2SB709A	TRANSISTOR	1	2SB0709A
Q3354-58	2SD601A	TRANSISTOR	5	2SD0601A
Q3359	2SB709A	TRANSISTOR	1	2SB0709A
Q3501-03	2SD601A	TRANSISTOR	3	2SD0601A
Q3507	2SB709A	TRANSISTOR	1	2SB0709A (HY)(HZ)
Q3507	2SD601A	TRANSISTOR	1	2SD0601A (HX)
Q3508	2SB709A	TRANSISTOR	1	2SB0709A (HY)(HZ)
Q3508	2SD601A	TRANSISTOR	1	2SD0601A (HX)
Q3509	2SB709A	TRANSISTOR	1	2SB0709A (HY)(HZ)
Q3509	2SD601A	TRANSISTOR	1	2SD0601A (HX)
Q3513	2SD601A	TRANSISTOR	1	2SD0601A
Q3514	2SB709A	TRANSISTOR	1	2SB0709A
Q3515	2SD601A	TRANSISTOR	1	2SD0601A
Q3516	2SB709A	TRANSISTOR	1	2SB0709A
Q3531,32	2SD601A	TRANSISTOR	2	2SD0601A
Q3801,02	2SB709A	TRANSISTOR	2	2SB0709A
Q3803,04	2SD601A	TRANSISTOR	2	2SD0601A
Q3805-07	2SB709A	TRANSISTOR	3	2SB0709A
Q3808	2SD601A	TRANSISTOR	1	2SD0601A
Q3809	2SK198R	FET	1	2SK01980R
Q3810	2SD601A	TRANSISTOR	1	2SD0601A
Q3812,13	2SB709A	TRANSISTOR	2	2SB0709A
Q3815	2SB709A	TRANSISTOR	1	2SB0709A
Q3817	2SB709A	TRANSISTOR	1	2SB0709A
Q6451	B1BBCJ000003	DIODE	1	
Q6452	2SB709A	TRANSISTOR	1	2SB0709A
Q6453	2SC1473A	TRANSISTOR	1	2SC1473AE
Q6454	2SD814A	TRANSISTOR	1	
Q6471	B1BBCJ000003	DIODE	1	
Q6472	2SB709A	TRANSISTOR	1	2SB0709A
Q6474	2SD814A	TRANSISTOR	1	
Q6476,77	2SD601A	TRANSISTOR	2	2SD0601A
Q6491,92	2SC1473A	TRANSISTOR	2	2SC1473AE
Q6511,12	B1DFGL000005	DIODE	2	
Q6520	2SD601A	TRANSISTOR	1	2SD0601A
Q6521	FS7VS14AT11	FET	1	
Q6523	2SB1073001TV	TRANSISTOR	1	
Q6524,25	2SD2185	TRANSISTOR	2	
Q6526	2SB1073001TV	TRANSISTOR	1	
Q6530-49	2SK2993	FET	20	
Q6550	2SC1473A	TRANSISTOR	1	2SC1473AE
Q6551	2SD601A	TRANSISTOR	1	2SD0601A
Q6552	FS7VS14AT11	FET	1	
Q6561	2SB1073001TV	TRANSISTOR	1	
Q6562-64	FS7VS14AT11	FET	3	
Q6581	2SD601A	TRANSISTOR	1	2SD0601A
Q6601-10	2SK362800SVF	FET	10	
Q6611	2SD2185	TRANSISTOR	1	
Q6612	2SB1073001TV	TRANSISTOR	1	
Q6613	2SD2185	TRANSISTOR	1	
Q6614	2SB1073001TV	TRANSISTOR	1	
Q6621-26	2SK362800SVF	FET	6	
Q6627	2SD2185	TRANSISTOR	1	
Q6628	2SB1073001TV	TRANSISTOR	1	
Q6629	2SD2185	TRANSISTOR	1	
Q6630	2SB1073001TV	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q6641,42	B1DFHM000002	DIODE	2	
Q6645	2SD2185	TRANSISTOR	1	
Q6646	2SB1073001TV	TRANSISTOR	1	
Q6671	2SB940A	TRANSISTOR	1	2SB0940AJ
Q6672	2SD1263A	TRANSISTOR	1	
Q6673	2SC1473A	TRANSISTOR	1	2SC1473AE
Q6711-26	2SK362800SVF	FET	16	
Q6727,28	B1DFHM000002	DIODE	2	
Q6729,30	2SK326800L	FET	2	
Q6731	2SD1263A	TRANSISTOR	1	
Q6732	2SD2185	TRANSISTOR	1	
Q6733	2SB1073001TV	TRANSISTOR	1	
Q6734	2SD2185	TRANSISTOR	1	
Q6735	2SB1073001TV	TRANSISTOR	1	
Q6736	2SD2185	TRANSISTOR	1	
Q6737	2SB1073001TV	TRANSISTOR	1	
Q6738,39	2SC1473A	TRANSISTOR	2	2SC1473AE
Q6740,41	2SD601A	TRANSISTOR	2	2SD0601A
Q6742	2SD2185	TRANSISTOR	1	
Q6743	2SB1073001TV	TRANSISTOR	1	
Q6744	2SD2185	TRANSISTOR	1	
Q6745	2SB1073001TV	TRANSISTOR	1	
Q7361,62	2SB709A	TRANSISTOR	2	2SB0709A
Q8021	2SD601A	TRANSISTOR	1	2SD0601A
Q9350	2SK620	FET	1	2SK0620
Q9500,02	2SD601A	TRANSISTOR	2	2SD0601A
Q9501,02	2SK620	FET	2	2SK0620
Q9504	2SK620	FET	1	2SK0620
Q9702,03	2SD601A	TRANSISTOR	2	2SD0601A
Q9801	2SD601A	TRANSISTOR	1	2SD0601A
Q9904	2SD601A	TRANSISTOR	1	2SD0601A
R081	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R082	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R083	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R084	ERJ6GEYJ271	M 270 OHM,J,1/10W	1	
R087	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R088	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R400-03	TARAFR06R8JC	F 6.8 OHM, J, 7W	4	⚠
R404	ERDS1FJ222	C 2.2KOHM, J,1/2W	1	ERDS1FJ222T
R406,07	ERDS1FJ474	C 4.7KOHM, J,1/2W	2	
R408	ER0S2CKF1823	M 182KOHM, F,1/4W	1	EROS2CKF1823
R409	ER0S2CKF4123	M 412KOHM, F,1/4W	1	
R410	ERG3FJS333D	M 33KOHM, J, 3W	1	
R411,12	ERDS1FJ474	C 4.7KOHM, J,1/2W	2	
R413	ERG1FJS390D	M 39 OHM, J, 1W	1	
R414	ERX1FJS1R0D	M 1.0 OHM, J, 1W	1	
R416	ERG2FJS820D	M 82 OHM, J, 2W	1	
R417	ERDS1FJ560	C 56 OHM, J,1/2W	1	ERDS1FJ560T
R418,19	ERDS2TJ103	C 10KOHM, J,1/4W	2	
R420	ERU5TAJ150	F 15 OHM, 5W	1	⚠
R421-23	ERDS1FJ120	C 12 OHM, J,1/2W	3	
R424-26	ERDS1FJ103	C 10KOHM, J,1/2W	3	
R427	ERF5EKR10	W 0.1 OHM, 5W	1	
R428	ERF5EKR15	W0.15 OHM, 5W	1	
R429	ER0S2CKF1823	M 182KOHM, F,1/4W	1	EROS2CKF1823

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R430	ER0S2CKF4223	M 422KOHM, F,1/4W	1	
R431	ERDS1FJ220	C 22 OHM, J,1/2W	1	ERDS1FJ220T
R432	ERG3FJS333D	M 33KOHM, J, 3W	1	
R433	ERDS1FJ220	C 22 OHM, J,1/2W	1	ERDS1FJ220T
R434	ERDS1FJ101	C 100 OHM, J,1/2W	1	
R435,36	ERDS1FJ103	C 10KOHM, J,1/2W	2	
R437	ERX2FJS2R7D	M 2.7 OHM, J, 2W	1	
R438	ER0S2CKF1823	M 182KOHM, F,1/4W	1	EROS2CKF1823
R439	ER0S2CKF4223	M 422KOHM, F,1/4W	1	
R440,41	ERX2FJSR27D	M0.27 OHM, J, 2W	2	
R444	ERX2FJSR27D	M0.27 OHM, J, 2W	1	
R445	ERDS2TJ103	C 10KOHM, J,1/4W	1	
R446	ERDS2TJ221	C 220 OHM, J,1/4W	1	
R447	ERDS2TJ332	C 3.3KOHM, J,1/4W	1	
R448	ERDS1FJ100	C 10 OHM, J,1/2W	1	ERDS1FJ100T
R451	ERDS2TJ103	C 10KOHM, J,1/4W	1	
R452	ERG3FJS823D	M 82KOHM, J, 3W	1	
R453	ERG1FJS104D	M 100KOHM, J, 1W	1	
R454	ERG3FJS823D	M 82KOHM, J, 3W	1	
R456	ERDS2TC0	C 0 OHM, 1/4W	1	
R458	ERDS2TJ101	C 100 OHM, J,1/4W	1	
R459	ERX2FJSR22D	M0.22 OHM, J, 2W	1	
R460	ERDS2TJ6R8	C 6.8 OHM, J,1/4W	1	
R461	ERX2FJSR22D	M0.22 OHM, J, 2W	1	
R462	ERG2FJS823D	M 82KOHM, J, 3W	1	
R464	ERDS2TJ683	C 68KOHM, J,1/4W	1	
R465	ERDS2TJ6R8	C 6.8 OHM, J,1/4W	1	
R466	ERDS2TJ102	C 1KOHM, J,1/4W	1	
R467	ERDS1FJ221	C 220 OHM, J,1/2W	1	ERDS1FJ221T
R471	ERDS1FJ391	C 390 OHM, J,1/2W	1	
R474,75	ERDS2TJ104	C 100KOHM, J,1/4W	2	
R478	ERDS2TJ223	C 22KOHM, J,1/4W	1	
R481	ERDS2TJ472	C 4.7KOHM, J,1/4W	1	
R482	ERG2FJS183D	M 18KOHM, J, 2W	1	
R484	ERG2FJS183D	M 18KOHM, J, 2W	1	
R489	ERDS2TJ104	C 100KOHM, J,1/4W	1	
R492	ERDS2TJ223	C 22KOHM, J,1/4W	1	
R493	ERDS2TJ472	C 4.7KOHM, J,1/4W	1	
R495	ERDS1FJ471	C 470 OHM, J,1/2W	1	ERDS1FJ471T
R496	ERDS2TJ104	C 100KOHM, J,1/4W	1	
R500	ER0S2CKF8200	M 820OHM, F,1/4W	1	
R502	ERDS2TJ472	C 4.7KOHM, J,1/4W	1	
R503	ER0S2CKF1911	M1.91KOHM, F,1/4W	1	
R504	ERDS2TJ473	C 47KOHM, J,1/4W	1	
R505	ERDS2TJ682	C 6.8KOHM, J,1/4W	1	
R506	ERDS1FJ220	C 22 OHM, J,1/2W	1	ERDS1FJ220T
R508	ER0S2CKF6192	M61.9KOHM, F,1/4W	1	
R510	ER0S2CKF2551	M2.55KOHM, F,1/4W	1	EROS2CKF2551
R511	ERDS2TJ472	C 4.7KOHM, J,1/4W	1	
R512	ERDS2TJ104	C 100KOHM, J,1/4W	1	
R513	ERDS2TJ271	C 270 OHM, J,1/4W	1	
R514	ERDS2TJ103	C 10KOHM, J,1/4W	1	
R516-19	ERDS2TJ223	C 22KOHM, J,1/4W	4	
R528	ER0S2CKF1501	M 1.5KOHM, F,1/4W	1	EROS2CKF1501
R531	ERDS2TJ682	C 6.8KOHM, J,1/4W	1	
R534	ER0S2CKF1502	M 15KOHM, F,1/4W	1	EROS2CKF1502
R535	ER0S2CKF3301	M 3.3KOHM, F,1/4W	1	EROS2CHF3301

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R536	ERDS2TJ222	C 2.2KOHM, J,1/4W	1	
R537	ERDS2TJ104	C 100KOHM, J,1/4W	1	
R538	ERDS2TJ151	C 150 OHM, J,1/4W	1	
R539	ERG3FJS470D	M 47 OHM, J, 3W	1	
R540	ERDS2TJ682	C 6.8KOHM, J,1/4W	1	
R541	ERDS2TJ102	C 1KOHM, J,1/4W	1	
R542	ERDS2TJ101	C 100 OHM, J,1/4W	1	
R543	ER0S2CKF3651	M3.65KOHM, F,1/4W	1	EROS2CKF3651
R544	ER0S2CKF3830	M 383 OHM, F,1/4W	1	
R545	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
R546	ER0S2CKF2551	M2.55KOHM, F,1/4W	1	EROS2CKF2551
R548	EVMEASA00B54	CONTROL 50KOHMB 0.3W	1	
R549,50	ERX3FJS1R0D	M 1 OHM, J, 3W	2	
R557	ERDS2TJ104	C 100KOHM, J,1/4W	1	
R558	ERDS2TJ470	C 47 OHM, J,1/4W	1	
R559	ERDS2TJ472	C 4.7KOHM, J,1/4W	1	
R560	ERDS2TJ561	C 560 OHM, J,1/4W	1	
R561	ERDS2TJ471	C 470 OHM, J,1/4W	1	
R562	ERDS2TJ103	C 10KOHM, J,1/4W	1	
R563	ERDS2TJ473	C 47KOHM, J,1/4W	1	
R564-66	ERG3FJS823D	M 82KOHM, J, 3W	3	
R567,68	ERG2FJS471D	M 470 OHM, J, 2W	2	
R569	ER0S2CKF3651	M3.65KOHM, F,1/4W	1	EROS2CKF3651
R571,72	ERQ14AJ100	F 10 OHM, J,1/4W	2	ERQ14AJ100P
R573	ERQ14AJ221P	F 220 OHM, J,1/4W	1	
R584,85	ERG3FJS823D	M 82KOHM, J, 3W	2	
R600,01	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	2	
R602	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R603	ERJ6ENF1800	M 180 OHM, 1/10W	1	
R604	ERJ6ENF3902	M 39KOHM, 1/10W	1	
R605	ERJ6ENF1502	M 15KOHM, 1/10W	1	ERJ6ENF1502V
R608	ERJ6GEYJ683	M 68KOHM,J,1/10W	1	
R611-13	ERJ6GEYJ101	M 100 OHM,J,1/10W	3	
R614	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R615	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R616	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R617,18	ERD25FJ102	C 1KOHM, J,1/4W	2	
R619,20	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	2	
R621	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R622	ERJ6ENF6811	M6.81KOHM, 1/10W	1	
R624	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R625	EVMEGSA00B54	CONTROL 50KOHMB	1	
R626	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R627	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R629	ERJ6GEYJ563	M 56KOHM,J,1/10W	1	
R631	ERJ6ENF2491	M2.49KOHM, 1/10W	1	
R632	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R633-35	ERJ6ENF5602	M 56KOHM, 1/10W	3	
R636	ERD25FJ221	C 220 OHM, J,1/4W	1	
R637	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R638	ERD25FJ221	C 220 OHM, J,1/4W	1	
R640	ERJ6ENF2000	M 200 OHM, 1/10W	1	
R641	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R642	ERJ6ENF2491	M2.49KOHM, 1/10W	1	
R643,44	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	2	
R645	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R646	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R647	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R648	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R650	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R651	ERJ6GEYJ563	M 56KOHM,J,1/10W	1	
R652,53	ERJ6GEYJ333	M 33KOHM,J,1/10W	2	
R654	ERG1FJS561D	M 560 OHM, J, 1W	1	
R655	ERD25FJ471	C 470 OHM, J,1/4W	1	
R656	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R657	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R658	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R659	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R661	ERD25FJ822	C 8.2KOHM, J,1/4W	1	
R662	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R663	ERX12SJ4R7	M 4.7 OHM, J,1/2W	1	
R664	ERX1FJS8R2D	M 8.2 OHM, J, 1W	1	
R665	ERDS1FJ100	C 10 OHM, J,1/2W	1	
R666	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	1	
R667	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R668	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R701,02	ERJ6GEYJ680	M 68 OHM,J,1/10W	2	
R703	ERJ6GEYJ271	M 270 OHM,J,1/10W	1	
R704	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R705	ERJ6ENF4222	M42.2KOHM, 1/10W	1	
R706	ERJ6GEYJ162	M 1.6KOHM,J,1/10W	1	
R707	ERJ6GEYJ752	M 7.5KOHM,J,1/10W	1	ERJ6GEYJ752V
R709	ERJ6GEYJ304	M 300KOHM,J,1/10W	1	ERJ6GEYJ304V
R710,11	ERJ6GEYJ473	M 47KOHM,J,1/10W	2	
R713	ERJ6GEYJ242	M 2.4KOHM,J,1/10W	1	
R714	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R715	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R717	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R718,19	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R720	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R721	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R722	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R723	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R724	ERJ6ENF1501	M 1.5KOHM, 1/10W	1	
R725	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R726	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R727	ERJ6GEYJ242	M 2.4KOHM,J,1/10W	1	
R728	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R730	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R731	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R732	ERJ6ENF4222	M42.2KOHM, 1/10W	1	
R733	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R750	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R751	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R752	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R753	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R754	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R755	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R756	ERJ6ENF1913	M19.1KOHM, 1/10W	1	
R758	ERJ6GEYJ154	M 150KOHM,J,1/10W	1	
R759	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R760,61	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R762	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R763	ERJ6ENF1002	M 10KOHM, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R764	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R765	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R766	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R767	ERJ6ENF2003	M 200KOHM, 1/10W	1	
R770	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R775	ERD25FJ183	C 18KOHM, J,1/4W	1	ERD25FVJ183T
R776	ERD25FJ223	C 22KOHM, J,1/4W	1	
R777	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R778	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R779-82	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R783	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R784	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R785,86	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R787	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R788	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R789	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R900,01	ERC12ZGK105	S 1MOHM, K,1/2W	2	⚠
R1554,55	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	2	
R2301	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2304	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R2305,06	ERJ6GEYJ223	M 22KOHM,J,1/10W	2	
R2309	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2310	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R2319,20	ERJ6GEYJ561	M 560 OHM,J,1/10W	2	
R2321	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R2322,23	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R2324,25	ERJ6GEYJ561	M 560 OHM,J,1/10W	2	
R2326	ERJ6GEYJ123	M 12KOHM,J,1/10W	1	
R2327	ERJ6GEYJ752	M 7.5KOHM,J,1/10W	1	ERJ6GEYJ752V
R2328	ERJ6GEYJ683	M 68KOHM,J,1/10W	1	
R2329,30	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	2	
R2331	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R2332	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	1	
R2333	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R2334	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2335,36	ERJ6GEYJ123	M 12KOHM,J,1/10W	2	
R2337,38	ERJ6GEY0R00	M 0 OHM,J,1/10W	2	
R2341	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2343	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2346	ERJ6GEYJ123	M 12KOHM,J,1/10W	1	
R2347	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R2348	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2349,50	ERJ6GEY0R00	M 0 OHM,J,1/10W	2	
R2408	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2410	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2431	ERJ6GEYJ123	M 12KOHM,J,1/10W	1	
R2434	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2438	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R2439	ERJ6GEYJ563	M 56KOHM,J,1/10W	1	
R2440	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R2441	ERJ6GEYJ123	M 12KOHM,J,1/10W	1	
R2445	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R2448	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R2450	ERJ6GEYJ563	M 56KOHM,J,1/10W	1	
R2452	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R2453	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2456	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2457	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R2460	ERJ6ENF1802	M 18KOHM, 1/10W	1	
R2461,62	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R2463	ERJ6ENF1502	M 15KOHM, 1/10W	1	ERJ6ENF1502V
R2464	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R2466	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R2467	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R2468	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2469	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R2470	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2471	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	1	
R2472	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2473	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	1	
R2476,77	ERJ6GEYJ220	M 22 OHM,J,1/10W	2	
R2480	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R2481,82	ERJ6GEYJ153	M 15KOHM,J,1/10W	2	
R2483	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R2484	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R2485	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R3001-04	ERJ3GEYJ560	M 56 OHM,J,1/16W	4	
R3007	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R3009-15	ERJ3GEYJ560	M 56 OHM,J,1/16W	7	
R3016-21	ERJ3GEY0R00	M 0 OHM, 1/16W	6	
R3022,23	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R3024-29	ERJ3GEY0R00	M 0 OHM, 1/16W	6	
R3030,31	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R3032,33	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	
R3034	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R3035	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R3036	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	
R3037	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R3038	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R3039-43	TAJAAH0101JV	M 100 OHM,J,1/16W	5	D0GB101JA006
R3045	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R3046	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R3047	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R3078	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	
R3079	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R3087,88	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R3101-08	ERJ3GEYJ334	M 330KOHM,J,1/16W	8	D0GB334JA002
R3109	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R3301	ERJ6ENF75R0	M 75 OHM, 1/10W	1	ERJ6ENF75R0V
R3302	ERJ6ENF75R0	M 75 OHM, 1/10W	1	Y VERSION
R3303	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R3304,05	ERJ6ENF75R0	M 75 OHM, 1/10W	2	ERJ6ENF75R0V
R3306	ERJ6GEYJ184	M 180KOHM,J,1/10W	1	
R3307	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R3308	ERJ6GEYJ184	M 180KOHM,J,1/10W	1	
R3309	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R3310	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	
R3311	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R3312	ERJ3GEYJ123	M 12KOHM,J,1/16W	1	
R3313	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	1	
R3314	ERJ3GEYJ123	M 12KOHM,J,1/16W	1	
R3315	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	1	
R3316-18	TAJAAH0101JV	M 100 OHM,J,1/16W	3	D0GB101JA006

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3319-21	ERJ3GEYJ102	M 1KOHM,J,1/16W	3	
R3322	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R3323	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R3324	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3325-27	TAJAAH0101JV	M 100 OHM,J,1/16W	3	D0GB101JA006
R3328-31	ERJ3GEYJ103	M 10KOHM,J,1/16W	4	
R3332,33	TAJAAH0101JV	M 100 OHM,J,1/16W	2	D0GB101JA006
R3334	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R3335	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R3336	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R3337	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R3338,39	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R3340	ERJ6ENF9310	M 931 OHM, 1/10W	1	
R3341	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R3342	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	
R3343	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R3344	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R3345	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R3346-48	TAJAAH0101JV	M 100 OHM,J,1/16W	3	D0GB101JA006
R3349,50	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R3351,52	ERJ6GEYJ184	M 180KOHM,J,1/10W	2	
R3353-55	ERJ6ENF75R0	M 75 OHM, 1/10W	3	ERJ6ENF75R0V
R3356,57	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	2	
R3358-61	TAJAAH0101JV	M 100 OHM,J,1/16W	4	D0GB101JA006
R3362,63	ERJ3GEYJ104	M 100KOHM,J,1/16W	2	
R3364	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R3365	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R3366,67	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R3368	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R3369-72	ERJ3GEYJ103	M 10KOHM,J,1/16W	4	
R3373,74	ERJ3GEYJ104	M 100KOHM,J,1/16W	2	
R3375-77	TAJAAH0101JV	M 100 OHM,J,1/16W	3	D0GB101JA006
R3378,79	ERJ3GEYJ3R3	M 3.3 OHM,J,1/16W	2	ERJ3GEYJ3R3V
R3380-82	ERJ3GEYJ102	M 1KOHM,J,1/16W	3	
R3383-85	TAJAAH0101JV	M 100 OHM,J,1/16W	3	D0GB101JA006
R3386,87	ERJ3GEYJ104	M 100KOHM,J,1/16W	2	
R3388	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R3389,90	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R3391	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R3392	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R3393,94	ERJ3GEYJ3R3	M 3.3 OHM,J,1/16W	2	ERJ3GEYJ3R3V
R3395	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R3396	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R3400	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R3501-03	ERJ3GEYJ221	M 220 OHM,J,1/16W	3	
R3504	ERJ3GEYJ393	M 39KOHM,J,1/16W	1	
R3505	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R3506	ERJ3GEYJ183	M 18KOHM,J,1/16W	1	
R3507	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R3508	ERJ3GEYJ183	M 18KOHM,J,1/16W	1	(HY)(HZ)
R3508	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	(HX)
R3509	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	(HY)(HZ)
R3509	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	(HX)
R3510,11	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	(HX)
R3511	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006 (HY)(HZ)
R3513,14	TAJAAH0101JV	M 100 OHM,J,1/16W	2	D0GB101JA006
R3516,17	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3518-22	ERJ3GEYJ103	M 10KOHM,J,1/16W	5	
R3526-28	ERJ6ENF75R0	M 75 OHM, 1/10W	3	ERJ6ENF75R0V
R3529,30	ERJ6GEYJ184	M 180KOHM,J,1/10W	2	
R3532-34	ERJ6GEY0R00	M 0 OHM,J,1/10W	3	
R3535,36	ERJ6GEYJ331	M 330 OHM,J,1/10W	2	
R3537	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	(HX)
R3537	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	(HY)(HZ)
R3538	ERJ6ENF75R0	M 75 OHM, 1/10W	1	(HY)(HZ)
R3538	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	(HX)
R3539,02	ERJ6ENF75R0	M 75 OHM, 1/10W	2	ERJ6ENF75R0V
R3540	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R3541	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R3547	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3548	ERJ6ENF7500	M 750 OHM, 1/10W	1	(HY)(HZ)
R3548	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	(HX)
R3549,50	ERJ6ENF1001	M 1KOHM, 1/10W	2	
R3577	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R3578	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3579	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R3580	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3581	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R3582	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3585,86	ERJ6GEYJ560	M 56 OHM,J,1/10W	2	
R3589	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R3590	ERJ6GEYJ560	M 56 OHM,J,1/10W	1	
R3595-97	ERJ6GEYJ102	M 1KOHM,J,1/10W	3	
R3599	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3603,04	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R3611-14	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	4	
R3626-29	ERJ6GEYJ3R3	M 3.3KOHM,J,1/10W	4	D0GD3R3JA003
R3653	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R3654	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3655	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R3656	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3663,64	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R3668	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3672	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3755,56	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R3764-66	ERJ6GEYJ101	M 100 OHM,J,1/10W	3	
R3776,77	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R3778	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R3801,02	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R3803,04	ERJ6GEYJ561	M 560 OHM,J,1/10W	2	
R3805	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R3806	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3808	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R3809	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R3810	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R3811	ERJ6ENF2200	M 220 OHM, 1/10W	1	
R3812	ERJ6ENF3300	M 330 OHM, 1/10W	1	
R3813	ERJ6ENF6801	M 6.8KOHM, 1/10W	1	
R3814	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R3815	ERJ6ENF2200	M 220 OHM, 1/10W	1	
R3816	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R3817	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	
R3818	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3819	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3820	ERJ6GEYJ561	M 560 OHM,J,1/10W	1	
R3821	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R3822	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	1	
R3823	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3824	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3825	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3826	ERJ6ENF1500	M 150 OHM, 1/10W	1	
R3827	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R3828	ERJ6ENF47R0	M 47 OHM, 1/10W	1	
R3829	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R3830,31	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R3832	ERJ6ENF47R0	M 47 OHM, 1/10W	1	
R3833	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R3834	ERJ6ENF47R0	M 47 OHM, 1/10W	1	
R3835	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R3836	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3837-40	EXB38V471J	RESISTOR ARRAY	4	
R3841	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R3842	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R3843	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R3845	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R3846	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3848	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R3849	ERJ6ENF3000	M 300 OHM, 1/10W	1	
R3850	ERJ6ENF1500	M 150 OHM, 1/10W	1	
R3851	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3852	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R3853	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	
R3854	ERJ6ENF2400	M 240 OHM, 1/10W	1	
R3855	ERJ6ENF2701	M 2.7KOHM, 1/10W	1	
R3856	ERJ6ENF2400	M 240 OHM, 1/10W	1	
R3857	ERJ6ENF2701	M 2.7KOHM, 1/10W	1	
R3858	ERJ6ENF2400	M 240 OHM, 1/10W	1	
R3859	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R3860	ERJ3GEYJ391	M 390 OHM,J,1/16W	1	D0GB391JA002
R3861	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R3862	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R3863,64	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	2	
R3865	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3866	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R3867-69	TAJAAH0101JV	M 100 OHM,J,1/16W	3	D0GB101JA006
R3870	ERJ3GEYJ823	M 82KOHM,J,1/16W	1	
R3871	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R3872	TAJAAH0680JV	M 68 OHM,J,1/16W	1	D0GB680JA006
R3873	ERJ3GEYJ152	M 1.5KOHM,J,1/16W	1	
R3874	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R3875,76	ERJ3GEYJ152	M 1.5KOHM,J,1/16W	2	
R3877	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R3879	ERJ3GEYJ152	M 1.5KOHM,J,1/16W	1	
R3881	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R3884-86	TAJAAH0820JV	M 82 OHM,J,1/16W	3	D0GB820JA006
R3887	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R3888	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3890	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R3891	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3892	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R3893	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3894	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R3895	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R4521	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R4551	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R4552	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R4601	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R4604	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R6401-06	ERJ6GEYJ221	M 220 OHM,J,1/10W	6	
R6411-14	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R6415,16	ERJ6GEYJ224	M 220KOHM,J,1/10W	2	
R6421-26	ERJ6GEYJ221	M 220 OHM,J,1/10W	6	
R6431-34	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R6435,36	ERJ6GEYJ224	M 220KOHM,J,1/10W	2	
R6453	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6454	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6455	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R6456	ERJ6ENF1003	M 100KOHM, 1/10W	1	
R6457,58	ERJ6ENF2201	M 2.2KOHM, 1/10W	2	
R6459,60	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R6461	ERJ6ENF1003	M 100KOHM, 1/10W	1	
R6462	ERJ6GEYJ183	M 18KOHM,J,1/10W	1	
R6463	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6465	ERX1FJS8R2D	M 8.2 OHM, J, 1W	1	
R6466	ERJ14YJ101	M 100 OHM, J,1/4W	1	
R6467	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	1	
R6468	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	2	
R6470	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6473	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6474	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6475	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R6476	ERJ6GEYJ274	M 270KOHM,J,1/10W	1	
R6477	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
R6478	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6479,80	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R6482	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6483	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6484	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6485,86	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6487	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6488	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6489	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6491	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6492,93	ERJ6ENF2203	M 220KOHM, 1/10W	2	
R6494,95	ERJ6ENF5231	M5.23KOHM, 1/10W	2	
R6497	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6498,99	ERX1FJS8R2D	M 8.2 OHM, J, 1W	2	
R6500	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	1	
R6501-02	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	3	
R6503,04	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R6505,06	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	2	
R6507,08	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	2	
R6509	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	1	
R6510	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6511,12	ERX2FJS2R2D	M 2.2 OHM, J, 2W	2	
R6513	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6514	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6515	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6516	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6517	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6518	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6519	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6520	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R6521	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6522	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6524	ERJ6ENF2201	M 2.2KOHM, 1/10W	1	
R6525	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6526	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6527,28	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R6529	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6530-39	ERJ6GEYJ470	M 47 OHM,J,1/10W	10	
R6540-49	ERJ6GEYJ5R6	M 5.6 OHM,J,1/10W	10	D0GD5R6JA003
R6550	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6551,52	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6553	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R6554,55	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R6556	ERJ6GEYJ392	M 3.9KOHM,J,1/10W	1	
R6557	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
R6558	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6559	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6560,61	ERJ6GEYJ470	M 47 OHM,J,1/10W	2	
R6562-64	ERJ6GEYJ5R6	M 5.6 OHM,J,1/10W	3	D0GD5R6JA003
R6565	ERG1FJS332D	M 3.3KOHM, J, 1W	1	
R6566-68	ERJ6ENF1003	M 100KOHM, 1/10W	3	
R6569	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R6571-78	ERJ6GEYJ471	M 470 OHM,J,1/10W	8	
R6580,81	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6582,83	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R6584	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6585,86	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	2	
R6587	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6588	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6589	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6592,93	ERJ6GEYJ224	M 220KOHM,J,1/10W	2	
R6594	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6598	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R6601	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R6602	ERJ6ENF1961	M1.96KOHM, 1/10W	1	
R6603	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6604	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6605-07	ERJ6GEYJ224	M 220KOHM,J,1/10W	3	
R6608	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6609	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6611-18	ERJ6GEYJ100	M 10 OHM,J,1/10W	8	
R6619-24	ERJ6GEYJ470	M 47 OHM,J,1/10W	6	
R6625	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6626	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6627	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6628	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6629,30	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6631-38	ERJ6GEYJ100	M 10 OHM,J,1/10W	8	
R6639	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6640	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6641,42	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6643-46	ERJ6GEYJ100	M 10 OHM,J,1/10W	4	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6651-59	ERJ12YJ2R2	M 2.2 OHM, J,1/2W	9	
R6660-63	ERJ12YJ1R0	M 1 OHM, J,1/2W	4	
R6664-66	ERJ12YJ2R2	M 2.2 OHM, J,1/2W	3	
R6667,68	ERJ12YJ1R0	M 1 OHM, J,1/2W	2	
R6669	ERG2FJS103D	M 10KOHM, J, 2W	1	
R6670	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
R6671	ERG2FJS820D	M 82 OHM, J, 2W	1	
R6672	ERX1FJS8R2D	M 8.2 OHM, J, 1W	1	
R6673	ERG1FJS103D	M 10KOHM, J, 1W	1	
R6674	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6675	ERG2FJS223D	M 22KOHM, J, 2W	1	
R6676	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R6677	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R6678	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R6679	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6681	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6682,83	ERJ6GEYJ470	M 47 OHM,J,1/10W	2	
R6684	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6685,86	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6687,88	ERX2FJSR22D	M0.22 OHM, J, 2W	2	
R6691	EXB38V471J	RESISTOR ARRAY	1	
R6692	EXB38V473J	RESISTOR ARRAY	1	
R6693	EXB38V471J	RESISTOR ARRAY	1	
R6694	EXB38V473J	RESISTOR ARRAY	1	
R6695	EXB38V471J	RESISTOR ARRAY	1	
R6696	EXB38V473J	RESISTOR ARRAY	1	
R6697	EXB38V471J	RESISTOR ARRAY	1	
R6698	EXB38V473J	RESISTOR ARRAY	1	
R6700	ERD25V0R00	C 0 OHM	1	
R6701-03	ERX2FJSR22D	M0.22 OHM, J, 2W	3	
R6704	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6705	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6706	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6707	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6708	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6709	ERG2FJS103D	M 10KOHM, J, 2W	1	
R6710	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6711-18	ERJ6GEYJ100	M 10 OHM,J,1/10W	8	
R6719-24	ERJ6GEYJ470	M 47 OHM,J,1/10W	6	
R6725	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6726	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6727	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6728	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6729,30	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6731-38	ERJ6GEYJ100	M 10 OHM,J,1/10W	8	
R6740	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6741,42	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6743-46	ERJ6GEYJ100	M 10 OHM,J,1/10W	4	
R6751,52	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6753	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6754	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6755,56	ERJ6GEYJ470	M 47 OHM,J,1/10W	2	
R6757,58	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6759	ERG2FJS101D	M 100 OHM, J, 2W	1	
R6760	ERG1FJS472D	M 4.7KOHM, J, 1W	1	
R6761	ERG2FJS123D	M 12K OHM, J, 2W	1	
R6762	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6763	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6764	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6765,66	ERJ6GEYJ333	M 33KOHM,J,1/10W	2	
R6767	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6769	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R6770	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
R6772	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6773	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6774	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6775	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R6776	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6777,78	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R6779	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6780,81	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	2	
R6782	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6783	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6784	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6785	EXB38V471J	RESISTOR ARRAY	1	
R6786	EXB38V473J	RESISTOR ARRAY	1	
R6787	EXB38V471J	RESISTOR ARRAY	1	
R6788	EXB38V473J	RESISTOR ARRAY	1	
R6789,90	ERJ6GEYJ224	M 220KOHM,J,1/10W	2	
R6791-99	ERJ12YJ2R2	M 2.2 OHM, J,1/2W	9	
R6800-07	ERJ12YJ1R0	M 1 OHM, J,1/2W	8	
R6808-10	ERJ12YJ2R2	M 2.2 OHM, J,1/2W	3	
R6811-14	ERJ12YJ1R0	M 1 OHM, J,1/2W	4	
R6815	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R6816	ERJ6ENF1961	M1.96KOHM, 1/10W	1	
R6817,18	ERX2FJSR22D	M0.22 OHM, J, 2W	2	
R7105	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R7106	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R7107-10	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R7111-26	ERJ14YJ220	M 22 OHM, J,1/4W	16	
R7158-65	TAJAAH0680JV	M 68 OHM,J,1/16W	8	D0GB680JA006
R7174-81	TAJAAH0680JV	M 68 OHM,J,1/16W	8	D0GB680JA006
R7190-97	TAJAAH0680JV	M 68 OHM,J,1/16W	8	D0GB680JA006
R7205	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R7206	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R7207-10	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R7211-26	ERJ14YJ220	M 22 OHM, J,1/4W	16	
R7258-65	TAJAAH0680JV	M 68 OHM,J,1/16W	8	D0GB680JA006
R7274-81	TAJAAH0680JV	M 68 OHM,J,1/16W	8	D0GB680JA006
R7290-97	TAJAAH0680JV	M 68 OHM,J,1/16W	8	D0GB680JA006
R7305	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R7306	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R7307-10	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R7311-26	ERJ14YJ220	M 22 OHM, J,1/4W	16	
R7341-44	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R7358-65	TAJAAH0680JV	M 68 OHM,J,1/16W	8	D0GB680JA006
R7374-81	TAJAAH0680JV	M 68 OHM,J,1/16W	8	D0GB680JA006
R7390-97	TAJAAH0680JV	M 68 OHM,J,1/16W	8	D0GB680JA006
R7405	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R7406	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R7407-10	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R7411-26	ERJ14YJ220	M 22 OHM, J,1/4W	16	
R7458-65	TAJAAH0680JV	M 68 OHM,J,1/16W	8	D0GB680JA006
R7474-81	TAJAAH0680JV	M 68 OHM,J,1/16W	8	D0GB680JA006

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R7490-97	TAJAAH0680JV	M 68 OHM,J,1/16W	8	D0GB680JA006
R8002	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R8003	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	
R8004	ERJ3GEYJ271	M 270 OHM,J,1/16W	1	
R8006,07	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	
R8008	ERJ3GEYJ271	M 270 OHM,J,1/16W	1	
R8009	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R8010	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R8011	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R8012	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R8013	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R8015	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R8017-19	TAJAAH0101JV	M 100 OHM,J,1/16W	3	D0GB101JA006
R8023,24	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R8025	ERJ3GEYJ183	M 18KOHM,J,1/16W	1	
R8026	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R8027	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R8028-30	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	3	
R8033	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R8035	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R8036	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9000	ERJ3GEYJ121	M 120 OHM,J,1/16W	1	
R9008	ERJ3GEYJ121	M 120 OHM,J,1/16W	1	
R9010	ERJ3GEYJ121	M 120 OHM,J,1/16W	1	
R9018-20	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9034	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9035	ERJ3GEYJ152	M 1.5KOHM,J,1/16W	1	
R9036	ERJ6ENF5111	M5.11KOHM, 1/10W	1	
R9037	ERJ6ENF1741	M1.74KOHM, 1/10W	1	
R9038	ERJ6ENF5111	M5.11KOHM, 1/10W	1	
R9039	ERJ6ENF1741	M1.74KOHM, 1/10W	1	
R9040	ERJ6ENF5111	M5.11KOHM, 1/10W	1	
R9041	ERJ6ENF1741	M1.74KOHM, 1/10W	1	
R9045	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9046	ERJ3GEYJ152	M 1.5KOHM,J,1/16W	1	
R9047	ERJ6ENF1051	M1.05KOHM, 1/10W	1	
R9048	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9049	ERJ6ENF1051	M1.05KOHM, 1/10W	1	
R9050,51	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9052	ERJ6ENF1051	M1.05KOHM, 1/10W	1	
R9053	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9058	ERJ6ENF3241	M3.24KOHM, 1/10W	1	
R9059	ERJ6ENF1000	M 100 OHM, 1/10W	1	
R9060	ERJ6ENF3241	M3.24KOHM, 1/10W	1	
R9061	ERJ6ENF1000	M 100 OHM, 1/10W	1	
R9063	ERJ6ENF3241	M3.24KOHM, 1/10W	1	
R9064	ERJ6ENF1000	M 100 OHM, 1/10W	1	
R9065	ERJ3GEYJ152	M 1.5KOHM,J,1/16W	1	
R9068-70	ERJ6ENF2701	M 2.7KOHM, 1/10W	3	
R9071-73	ERJ6ENF1800	M 180 OHM, 1/10W	3	
R9076	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9077	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9078	ERJ6ENF1800	M 180 OHM, 1/10W	1	
R9080,81	ERJ6ENF1800	M 180 OHM, 1/10W	2	
R9082	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9102,03	TAJAAH0101JV	M 100 OHM,J,1/16W	2	D0GB101JA006
R9104	TAJAAH0680JV	M 68 OHM,J,1/16W	1	D0GB680JA006

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9105,06	TAJAAH0101JV	M 100 OHM,J,1/16W	2	D0GB101JA006
R9107-10	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9113	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9115	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R9121-29	ERJ3GEY0R00	M 0 OHM, 1/16W	9	
R9200,01	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9204,05	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9207,08	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9210	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9211,12	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9224	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9228	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R9229	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R9239,40	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9241	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9242,43	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9244	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9245	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9246	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9247,48	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9249	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9253	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9254	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R9257	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9259	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9261	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9262,63	ERJ3GEYJ330	M 33 OHM,J,1/16W	2	
R9264-70	ERJ3GEY0R00	M 0 OHM, 1/16W	7	
R9271	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9274	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9275	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9285	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R9286,87	ERJ3GEYJ151	M 150 OHM,J,1/16W	2	
R9288,89	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	2	
R9291	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R9293	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R9300	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9301-05	TAJAAH0101JV	M 100 OHM,J,1/16W	5	D0GB101JA006
R9306,07	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9308	ERJ3GEYJ560	M 56 OHM, 1/16W	1	
R9350	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9351	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9352,53	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R9354	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9355,56	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9357	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9358	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9359	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9360,61	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	2	
R9362-64	ERJ3GEYJ102	M 1KOHM,J,1/16W	3	
R9365	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R9366-68	TAJAAH0101JV	M 100 OHM,J,1/16W	3	D0GB101JA006
R9369	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9371	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9372-75	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	4	
R9376	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R9377	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9378	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R9379	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9380	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R9381	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9382	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9383-86	ERJ3GEYJ103	M 10KOHM,J,1/16W	4	
R9387-90	ERJ3GEYJ560	M 56 OHM,J,1/16W	4	
R9391	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R9392	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9393	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9394-00	ERJ3GEYJ102	M 1KOHM,J,1/16W	7	
R9401,02	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9403	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9404-06	TAJAAH0101JV	M 100 OHM,J,1/16W	3	D0GB101JA006
R9407,08	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R9409	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9410	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R9411	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R9413	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9414	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R9416	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R9417	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9418	ERJ3GEYJ152	M 1.5KOHM,J,1/16W	1	
R9419	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R9420	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9421	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9425	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R9426	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9427	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R9429	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9432	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9434,35	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9436-39	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9440,41	TAJAAH0101JV	M 100 OHM,J,1/16W	2	D0GB101JA006
R9442-49	ERJ3GEY0R00	M 0 OHM, 1/16W	8	
R9454-58	ERJ3GEY0R00	M 0 OHM, 1/16W	5	
R9459	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9460,61	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9464	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9466	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9467	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9469	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9470	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9472,73	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9475	ERJ3GEYJ105	M 1MOHM,J,1/16W	1	
R9478	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9501-06	ERJ3GEY0R00	M 0 OHM, 1/16W	6	
R9525,26	ERJ8RSJR10V	M 1 OHM, 1/8W	2	
R9537	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9538-46	ERJ3GEY0R00	M 0 OHM, 1/16W	9	
R9548,49	ERJ8RSJR10V	M 1 OHM, 1/8W	2	
R9557	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9560	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9565	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9566	ERJ6ENF1621	M1.62KOHM, 1/10W	1	
R9567	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R9569	ERJ6ENF1001	M 1KOHM, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9570,71	EXB38V680J	RESISTOR ARRAY	2	
R9572	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9573-78	EXB38V680J	RESISTOR ARRAY	6	
R9579	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9581	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9582-85	EXB38V680J	RESISTOR ARRAY	4	
R9586	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9589	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9595-97	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9598	ERJ6ENF1301	M 1.3KOHM, 1/10W	1	ERJ6ENF1301V
R9599	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R9600	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9601	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9607,08	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9610-13	ERJ3GEYJ100	M 10 OHM,J,1/16W	4	
R9619	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9621	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9622	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9635-38	ERJ3GEYJ102	M 1KOHM,J,1/16W	4	
R9639,40	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9644,45	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9649	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9650	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R9651	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9652	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9653	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9655	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9656	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9663,64	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9667-72	ERJ3GEYJ103	M 10KOHM,J,1/16W	6	
R9673-76	ERJ6ENF1001	M 1KOHM, 1/10W	4	
R9677-82	ERJ3GEYJ100	M 10 OHM,J,1/16W	6	
R9691	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9692	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9693	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R9695	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9697	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9698	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9700	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R9701,02	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9704	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9705	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9711	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R9712	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9713-19	ERJ3GEY0R00	M 0 OHM, 1/16W	7	
R9720	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9721	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9722	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	
R9724	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9725	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9726	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9727	EXB38V103J	RESISTOR ARRAY	1	
R9729	EXB38V103J	RESISTOR ARRAY	1	
R9730	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9731	EXB38V103J	RESISTOR ARRAY	1	
R9732,33	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9734	EXB38V103J	RESISTOR ARRAY	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9735	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9737	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9738	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9739	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9741	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9742	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9745,46	EXB38V103J	RESISTOR ARRAY	2	
R9747	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9748	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9751	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9753-57	ERJ3GEY0R00	M 0 OHM, 1/16W	5	
R9758-62	ERJ3GEYJ151	M 150 OHM,J,1/16W	5	
R9764-71	ERJ3GEYJ151	M 150 OHM,J,1/16W	8	
R9773,74	ERJ3GEYJ151	M 150 OHM,J,1/16W	2	
R9775	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R9776	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9777	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R9780-87	EXB38V103J	RESISTOR ARRAY	8	
R9797	ERJ3GEYJ823	M 82KOHM,J,1/16W	1	
R9798	ERJ3GEYJ105	M 1MOHM,J,1/16W	1	
R9799	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9802	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9803	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9804	EXB38V470J	RESISTOR ARRAY	1	
R9806	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9807	EXB38V470J	RESISTOR ARRAY	1	
R9808,09	EXB38V680J	RESISTOR ARRAY	2	
R9810,11	TAJAAH0470JV	M 47 OHM,J,1/16W	2	D0GB470JA006
R9813	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9814	EXB38V680J	RESISTOR ARRAY	1	
R9815	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9816	TAJAAH0470JV	M 47 OHM,J,1/16W	1	D0GB470JA006
R9819,20	EXB38V680J	RESISTOR ARRAY	2	
R9821,22	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9823,24	EXB38V680J	RESISTOR ARRAY	2	
R9827	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9828	EXB38V680J	RESISTOR ARRAY	1	
R9829-33	ERJ3GEYJ103	M 10KOHM,J,1/16W	5	
R9834-38	EXB38V680J	RESISTOR ARRAY	5	
R9839-41	TAJAAH0470JV	M 47 OHM,J,1/16W	3	D0GB470JA006
R9842,43	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9844	EXB38V470J	RESISTOR ARRAY	1	
R9845	TAJAAH0470JV	M 47 OHM,J,1/16W	1	D0GB470JA006
R9848	EXB38V680J	RESISTOR ARRAY	1	
R9849	EXB38V470J	RESISTOR ARRAY	1	
R9850-52	ERJ3GEYJ151	M 150 OHM,J,1/16W	3	
R9854-56	ERJ3GEYJ151	M 150 OHM,J,1/16W	3	
R9857	EXB38V470J	RESISTOR ARRAY	1	
R9858-60	ERJ3GEYJ151	M 150 OHM,J,1/16W	3	
R9869	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9872	EXB38V470J	RESISTOR ARRAY	1	
R9873	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9876	EXB38V470J	RESISTOR ARRAY	1	
R9877,78	EXB38V680J	RESISTOR ARRAY	2	
R9881,82	TAJAAH0470JV	M 47 OHM,J,1/16W	2	D0GB470JA006
R9884	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9885	EXB38V680J	RESISTOR ARRAY	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9886	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9887	TAJAAH0470JV	M 47 OHM,J,1/16W	1	D0GB470JA006
R9888-91	EXB38V680J	RESISTOR ARRAY	4	
R9894	EXB38V680J	RESISTOR ARRAY	1	
R9895	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9898	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R9899	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9900-03	EXB38V680J	RESISTOR ARRAY	4	
R9905	EXB38V680J	RESISTOR ARRAY	1	
R9907-09	TAJAAH0470JV	M 47 OHM,J,1/16W	3	D0GB470JA006
R9910	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9911	EXB38V470J	RESISTOR ARRAY	1	
R9912	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9913	TAJAAH0470JV	M 47 OHM,J,1/16W	1	D0GB470JA006
R9914	EXB38V680J	RESISTOR ARRAY	1	
R9915	EXB38V470J	RESISTOR ARRAY	1	
R9916	EXB38V680J	RESISTOR ARRAY	1	
R9917	EXB38V470J	RESISTOR ARRAY	1	
R9918,19	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9921	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R9922	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9923	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9924,25	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9926	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9928	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9930,31	ERJ3GEYJ560	M 56 OHM,J,1/16W	2	
R9932,33	TAJAAH0101JV	M 100 OHM,J,1/16W	2	D0GB101JA006
R9934	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9935	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9936	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9938-40	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9941	EXB38V103J	RESISTOR ARRAY	1	
R9942	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9943	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9944,45	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9948	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9951	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9953	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9955	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9958	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9959-62	ERJ3GEYJ103	M 10KOHM,J,1/16W	4	
R9963	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9964	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9966	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9968	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9971	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9974	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9975	ERJ6ENF2202	M 2.2KOHM, 1/10W	1	
R9976,77	TAJAAH0101JV	M 100 OHM,J,1/16W	2	D0GB101JA006
R9981	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9983	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9984	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9985	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9986	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R9987	ERJ3GEYJ105	M 1MOHM,J,1/16W	1	
R9991	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9992	ERJ3GEYJ474	M 470KOHM,J,1/16W	1	

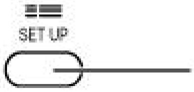
Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9995	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9996	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9997	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9998,99	TAJAAH0101JV	M 100 OHM,J,1/16W	2	D0GB101JA006
RL400	K6B1AGA00086	RELAY	1	⚠
RL401	TSEH0025	RELAY	1	K6B2AGA00020 ⚠
RM001	PNA4601M05TV	REMOCO RECEIVER	1	
RTL	TNPA2428	CIRCUIT BOARD C1	1	⚠
RTL	TNPA2429	CIRCUIT BOARD C2	1	⚠
RTL	TNPA2430	CIRCUIT BOARD C3	1	⚠
RTL	TNPA2431	CIRCUIT BOARD C4	1	⚠
RTL	TNPA2432	CIRCUIT BOARD SU	1	⚠
RTL	TNPA2433	CIRCUIT BOARD SD	1	⚠
RTL	TNPA2436	CIRCUIT BOARD SS2	1	⚠
RTL	TNPA2437	CIRCUIT BOARD SS3	1	⚠
RTL	TNPA2249	CIRCUIT BOARD H3	1	⚠
RTL	TNPA2444	CIRCUIT BOARD F	1	⚠
RTL	TXN/P10LLS	CIRCUIT BOARD P	1	⚠
RTL	TNPA2439	CIRCUIT BOARD P3	1	⚠
RTL	TNPA2440	CIRCUIT BOARD P5	1	⚠
RTL	TNPA2441	CIRCUIT BOARD P6	1	⚠
RTL	TNPA2442	CIRCUIT BOARD P7	1	⚠
RTL	TNPA2443	CIRCUIT BOARD P8	1	⚠
RTL	TNPA2445	CIRCUIT BOARD Z	1	⚠
RTL	TZTNP01LLSB	CIRCUIT BOARD D1	1	⚠
RTL	TNPA2427	CIRCUIT BOARD D2	1	⚠
RTL	TNPA2434	CIRCUIT BOARD SC	1	⚠
RTL	TNPA2435	CIRCUIT BOARD SS	1	⚠
RTL	TNPA2283AC	CIRCUIT BOARD S1	1	⚠
RTL	TNPA2282AC	CIRCUIT BOARD V1	1	⚠
RTL	TZTNP01LLSU	CIRCUIT BOARD HX	1	⚠
RTL	TXNHY30JHS	CIRCUIT BOARD HY	1	⚠
RTL	TXNHZ40JJS	CIRCUIT BOARD HY	1	⚠
S061	TSE4GD0001	POWER SWITCH	1	K0F162B00002
S1554-56	EVQPBD05R	SWITCH	3	
SC2	TJS3A9670	6P CONNECTOR	1	K1KA06A00179
SC4	TJS1A8790	3P CONNECTOR	1	K1KA03A00213
SC20	K1KA10A00266	10P CONNECTOR	1	
SC21	K1KA11A00078	11P CONNECTOR	1	
SC41-44	K1KB40B00015	40P CONNECTOR	4	
SD1-D4	K1MN96B00001	CONNECTOR	4	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
SS1	TJS3A9680	7P CONNECTOR	1	K1KA07A00095
SS3	K1KA10A00259	10P CONNECTOR	1	
SS11-16	K1KB26A00038	26P CONNECTOR	6	
SS21-24	TJSF41013	13P CONNECTOR	4	K1MN13B00020
SS25-27	K1KA26A00091	26P CONNECTOR	3	
SS31	TJSF41013	13P CONNECTOR	1	K1MN13B00020
SS32	TJS1A8880	12P TERMINAL	1	K1KA12A00176 (SS3)
SS32,33	TJSF41013	13P CONNECTOR	2	K1MN13B00020 (SS)
SS34	TJS1A8790	3P CONNECTOR	1	K1KA03A00213 (SS)
SS34	TJSF41013	13P CONNECTOR	1	K1MN13B00020 (SS3)
SS35	K1KA04A00242	4P CONNECTOR	1	(SS)
SS35-37	K1KA26A00091	26P CONNECTOR	3	(SS3)
SS42	K1KA04A00242	4P CONNECTOR	1	
SU1-U4	K1MN96B00001	CONNECTOR	4	
T400	G4D4A0000038	SWITCHING TRANSFORMER	1	⚠
T401	G4D4A0000036	SWITCHING TRANSFORMER	1	⚠
T402	ETS25AD1C3AG	SWITCHING TRANSFORMER	1	⚠
T6451	G4D1A0000055	SWITCHING TRANSFORMER	1	
T6471	G4D1A0000055	SWITCHING TRANSFORMER	1	
V34	K1KA08B00005	8P CONNECTOR	1	
X3801	TSSA148	CRYSTAL	1	H0J202500002
X9200	H1A3305B0005	CRYSTAL	1	
X9350	TSSA120	CRYSTAL	1	H0J327200038
X9450	TSSA081	CRYSTAL	1	H0J245500024
X9451	TSS9038-B	CRYSTAL	1	H0J200500016
X9601	H1A5005B0015	CRYSTAL	1	
X9602	H1A6505B0004	CRYSTAL	1	
X9603	H1A6005B0008	CRYSTAL	1	
X9701	TSS9038-B	CRYSTAL	1	H0J200500016
X9901	H0J921400003	CRYSTAL	1	
Z3	TJS3A9640	3P CONNECTOR	1	K1KA03A00171
Z4	TJS3A9650	4P CONNECTOR	1	K1KA04A00194
Z6	TJS1A8830	CONNECTOR	1	K1KA07A00056
Z10	TJS1A8800	4P CONNECTOR	1	K1KA04A00242
Z17	TJS1A8840	8P CONNECTOR	1	K1KA08A00221

18. Schematic Diagram for printing with A4

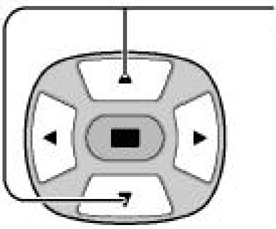
How to access the Option menu

1

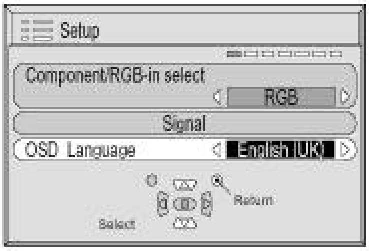


Press to display the Setup menu.

2



Press to select
OSD Language.



Setup

Component/RGB-in select ◁ RGB ▷

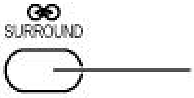
Signal

OSD Language ◁ English (UK) ▷

Select

Return

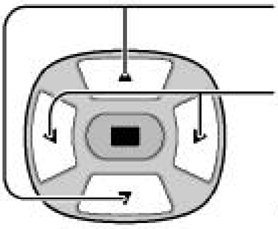
3



Press down for more than
3 seconds to display the
Option menu.

Setting the Option menus

1

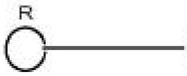


Press to select the desired item.

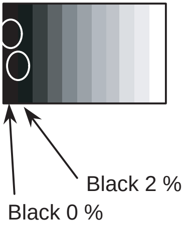
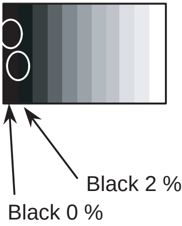
Press to select the desired function.

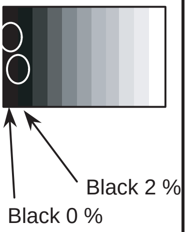
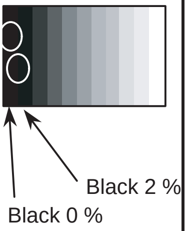
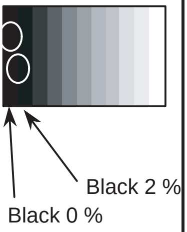
The option menu will disappear 60 seconds after operation.

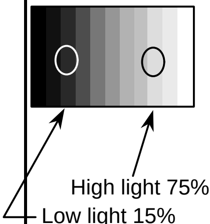
2



Press to exit Option menu.

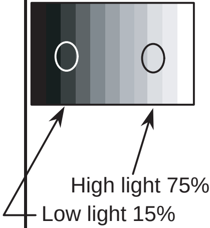
	INPUT	Equipment	Setting	Alignment menu	Procedure
4	525i Gray Scale Pattern 		Picture: Normal Aspect: 16:9	PANEL W/B All cut off	** Adjust at the dark room. 1) Set white balance to **Cool**. 2) Adjust All cut off to start some pixels emission at black 2% area and no emission at black 0% area. 3) Write down all cut off data. 4) Set white balance to **Nornal**. 5) Adjust All cut off to set same data of Cool mode. 6) Set white balance to **warm**. 7) Adjust All cut off to set same data of Cool mode.
	525p Gray Scale Pattern				8) Change to 525p signal. 9) Copy 525i All cut off data to 525p mode.
	HD (720i or 1080i) Gray Scale Pattern				8) Change to HD signal. 9) Copy 525i All cut off data to HD mode.
5	625i Gray Scale Pattern 		Picture: Normal Aspect: 16:9	PANEL W/B All cut off	** Adjust at the dark room. 1) Set white balance to **Cool**. 2) Adjust All cut off to start some pixels emission at black 2% area and no emission at black 0% area. 3) Write down all cut off data. 4) Set white balance to **Nornal**. 5) Adjust All cut off to set same data of Cool mode. 6) Set white balance to **warm**. 7) Adjust All cut off to set same data of Cool mode.

	INPUT	Equipment	Setting	Alignment menu	Procedure
1	NTSC Gray Scale Pattern 		Picture: Normal Aspect: 16:9	PANEL W/B All cut off	** Adjust at the dark room. 1) Set white balance to **Cool**. 2) Adjust All cut off to start some pixels emission at black 2% area and no emission at black 0% area. 3) Write down all cut off data. 4) Set white balance to **Nornal**. 5) Adjust All cut off to set same data of Cool mode. 6) Set white balance to **warm**. 7) Adjust All cut off to set same data of Cool mode.
2	PAL Gray Scale Pattern 		Picture: Normal Aspect: 16:9	PANEL W/B All cut off	** Adjust at the dark room. 1) Set white balance to **Cool**. 2) Adjust All cut off to start some pixels emission at black 2% area and no emission at black 0% area. 3) Write down all cut off data. 4) Set white balance to **Nornal**. 5) Adjust All cut off to set same data of Cool mode. 6) Set white balance to **warm**. 7) Adjust All cut off to set same data of Cool mode.
	SECAM Gray Scale Pattern				8) Change to SECAM signal. 9) Copy PAL All cut off data to SECAM mode.
3	PC Gray Scale Pattern 		Picture: Normal Aspect: 16:9	PANEL W/B All cut off	** Adjust at the dark room. 1) Set white balance to **Cool**. 2) Adjust All cut off to start some pixels emission at black 2% area and no emission at black 0% area. 3) Write down all cut off data. 4) Set white balance to **Nornal**. 5) Adjust All cut off to set same data of Cool mode. 6) Set white balance to **warm**. 7) Adjust All cut off to set same data of Cool mode.
	RGB Gray Scale Pattern				8) Change to RGB input signal. 9) Copy PC All cut off data to RGB mode.
	DVI Gray Scale Pattern				10) Change to DVI input signal. 11) Copy PC All cut off data to DVI mode.

	INPUT	Equipment	Setting	Alignment menu	Procedure
1	625i Gray Scale Pattern  High light 75% Low light 15%	Color Analyzer	Picture: Normal White balance: **Cool** Aspect: 16:9	Sub Adjust Sub Bright PANEL W/B G cut off PANEL W/B B cut off R cut off Sub Adjust Sub Bright PANEL W/B G Drive PANEL W/B B Drive R Drive PANEL W/B R,G,B Drive R,G,B Drive PANEL W/B R,G,B cut off	1) Find the nearest area to brightness of 10 cd/m$_2$ as Low light by color sensor. 2) Adjust Sub bright to set Low light level to 10 cd/m$_2$ exactly. 3) Set G cut off to " 80 ". 4) Adjust B and R cut off to set color temperature as shown Fig.-05. 5) If Sub Bright is changed re-adjust it to set Low light to 10 cd/m$_2$. 6)Find 75% of white area by color sensor. 7) Set G Drive to " D8 ". 8) Adjust B and R Drive to set color temperature as shown Fig.-05. 9) Repeat item 4) to 7) to set both Low light and high light. 10) Increase same steps of R, G and B Drive to set largest level of 3 color drive to "FC". 11) Re-adjust Low light level again.
2			Picture: Normal White balance: **Normal** Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Normal". 2) Repeat procedure 3) to 11) of Cool mode.
3			Picture: Normal White balance: **Warm** Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Warm". 2) Repeat procedure 3) to 11) of Cool mode.
4			Picture: Normal White balance: **Cool** Aspect: 16:9	Picture Menu Sub Adjust Sub Bright	1) Change color templature to "Cool". 2)Re-set Sub bright to "30"

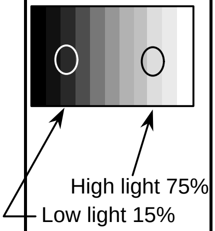
Color Temp.	x	y
Cool(Hi)	0.272	0.290
Normal(Mid)	0.288	0.296
Warm(Low)	0.313	0.329

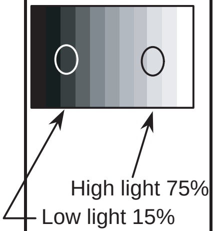
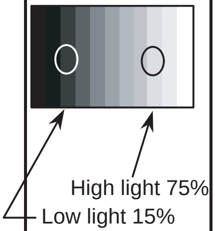
Fig. -05

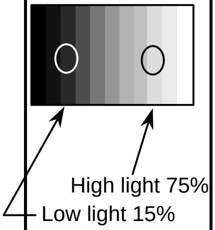
<table>
<tr><th></th><th>INPUT</th><th>Equipment</th><th>Setting</th><th>Alignment menu</th><th>Procedure</th></tr>
<tr>
<td>5</td>
<td>RGB
Gray Scale
Pattern
 </td>
<td></td>
<td>Picture:
Normal
Aspect:
16:9

White balance:
Cool
Normal
Warm</td>
<td></td>
<td>1) Write down each color temaparature of R,G,B drive and Cut off data as follows.
<table>
<tr><th>White Balance</th><th>Cool</th><th>Normal</th><th>Warm</th></tr>
<tr><td>R Drive</td><td></td><td></td><td></td></tr>
<tr><td>G Drive</td><td></td><td></td><td></td></tr>
<tr><td>B Drive</td><td></td><td></td><td></td></tr>
<tr><td>R Cut off</td><td></td><td></td><td></td></tr>
<tr><td>G Cut off</td><td></td><td></td><td></td></tr>
<tr><td>B Cut off</td><td></td><td></td><td></td></tr>
</table>
2)Change input signal to 525i and 525p.

3) Copy HD drive and cut off data of each white balance mode to each signals position.</td>
</tr>
</table>

<table>
<tr><th></th><th>INPUT</th><th>Equipment</th><th>Setting</th><th>Alignment menu</th><th>Procedure</th></tr>
<tr><td>1</td><td rowspan="3">HD
(720i or 1080i)
Gray Scale
Pattern

 </td><td rowspan="3">Color
Analyzer</td><td>Picture:
Normal
White balance:
Cool
Aspect:
16:9</td><td>Sub Adjust
Sub Bright
PANEL W/B
G cut off
PANEL W/B
B cut off
R cut off
Sub Adjust
Sub Bright
PANEL W/B
G Drive
PANEL W/B
B Drive
R Drive
PANEL W/B
R,G,B Drive
R,G,B Drive
PANEL W/B
R,G,B cut off</td><td>1) Find the nearest area to brightness of 10 cd/m$_2$ as Low light by color sensor.
2) Adjust Sub bright to set Low light level to 10 cd/m$_2$ exactly.
3) Set G cut off to " 80 ".
4) Adjust B and R cut off to set color temperature as shown Fig.-04.
5) If Sub Bright is changed re-adjust it to set Low light to 10 cd/m$_2$.
6)Find 75% of white area by color sensor.
7) Set G Drive to " D8 ".
8) Adjust B and R Drive to set color temperature as shown Fig.-04.
9) Repeat item 4) to 7) to set both Low light and high light.
10) Increase same steps of R, G and B Drive to set largest level of 3 color drive to "FC".
11) Re-adjust Low light level again.
<table>
<tr><th>Color Temp.</th><th>x</th><th>y</th></tr>
<tr><td>Cool(Hi)</td><td>0.272</td><td>0.290</td></tr>
<tr><td>Normal(Mid)</td><td>0.288</td><td>0.296</td></tr>
<tr><td>Warm(Low)</td><td>0.313</td><td>0.329</td></tr>
</table>
Fig. -04</td></tr>
<tr><td>2</td><td>Picture:
Normal
White balance:
Normal
Aspect:
16:9</td><td>PANEL W/B
R,G,B cut off
PANEL W/B
R,G,B Drive</td><td>1) Change white balance to "Normal".
2) Repeat procedure 3) to 11) of Cool mode.</td></tr>
<tr><td>3</td><td>Picture:
Normal
White balance:
Warm
Aspect:
16:9</td><td>PANEL W/B
R,G,B cut off
PANEL W/B
R,G,B Drive</td><td>1) Change white balance to "Warm".
2) Repeat procedure 3) to 11) of Cool mode.</td></tr>
<tr><td>4</td><td></td><td></td><td>Picture:
Normal
White balance:
Cool
Aspect:
16:9</td><td>Picture Menu
Sub Adjust
Sub Bright</td><td>1) Change color templature to "Cool".
2)Re-set Sub bright to "30"</td></tr>
</table>

<table>
<tr><th></th><th>INPUT</th><th>Equipment</th><th>Setting</th><th>Alignment menu</th><th>Procedure</th></tr>
<tr><td>5</td><td>RGB
Gray Scale
Pattern
 </td><td></td><td>Picture:
Normal
Aspect:
16:9
White balance:
Cool
Normal
Warm</td><td></td><td>1) Write down each color temaparature of R,G,B drive and Cut off data as follows.
<table>
<tr><th>White Balance</th><th>Cool</th><th>Normal</th><th>Warm</th></tr>
<tr><td>R Drive</td><td></td><td></td><td></td></tr>
<tr><td>G Drive</td><td></td><td></td><td></td></tr>
<tr><td>B Drive</td><td></td><td></td><td></td></tr>
<tr><td>R Cut off</td><td></td><td></td><td></td></tr>
<tr><td>G Cut off</td><td></td><td></td><td></td></tr>
<tr><td>B Cut off</td><td></td><td></td><td></td></tr>
</table>
2) Input RGB signal.
3) Copy PC R,G,B drive and cut off data of each white balance mode to RGB position.</td></tr>
<tr><td>6</td><td>DVI
Gray Scale
Pattern
 </td><td></td><td>Picture:
Normal
Aspect:
16:9
White balance:
Cool
Normal
Warm</td><td></td><td>1) Write down each color temaparature of R,G,B drive and Cut off data as follows.
<table>
<tr><th>White Balance</th><th>Cool</th><th>Normal</th><th>Warm</th></tr>
<tr><td>R Drive</td><td></td><td></td><td></td></tr>
<tr><td>G Drive</td><td></td><td></td><td></td></tr>
<tr><td>B Drive</td><td></td><td></td><td></td></tr>
<tr><td>R Cut off</td><td></td><td></td><td></td></tr>
<tr><td>G Cut off</td><td></td><td></td><td></td></tr>
<tr><td>B Cut off</td><td></td><td></td><td></td></tr>
</table>
2) Input DVI signal.
3) Copy PC R,G,B drive and cut off data of each white balance mode to DVI position.</td></tr>
</table>

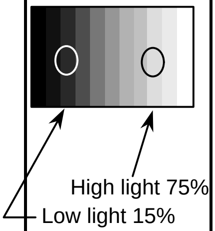
	INPUT	Equipment	Setting	Alignment menu	Procedure
1	PC Gray Scale Pattern  	Color Analyzer	Picture: Normal White balance: **Cool** Aspect: 16:9	Sub Adjust Sub Bright	1) Find the nearest area to brightness of 10 cd/m$_2$ as Low light by color sensor. 2) Adjust Sub bright to set Low light level to 10 cd/m$_2$ exactly.
				PANEL W/B G cut off	3) Set G cut off to " 80 ".
				PANEL W/B B cut off R cut off	4) Adjust B and R cut off to set color temperature as shown Fig.-03.
				Sub Adjust Sub Bright	5) If Sub Bright is changed re-adjust it to set Low light to 10 cd/m$_2$.
					6)Find 75% of white area by color sensor.
				PANEL W/B G Drive	7) Set G Drive to " D8 ".
				PANEL W/B B Drive R Drive	8) Adjust B and R Drive to set color temperature as shown Fig.-03.
					9) Repeat item 4) to 7) to set both Low light and high light.
				PANEL W/B R,G,B Drive R,G,B Drive	10) Increase same steps of R, G and B Drive to set largest level of 3 color drive to "FC".
				PANEL W/B R,G,B cut off	11) Re-adjust Low light level again.

Color Temp.	x	y
Cool(Hi)	0.272	0.290
Normal(Mid)	0.288	0.296
Warm(Low)	0.313	0.329

Fig. -03

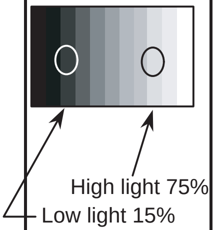
	INPUT	Equipment	Setting	Alignment menu	Procedure
2			Picture: Normal White balance: **Normal** Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Normal". 2) Repeat procedure 3) to 11) of Cool mode.
3			Picture: Normal White balance: **Warm** Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Warm". 2) Repeat procedure 3) to 11) of Cool mode.
4			Picture: Normal White balance: **Cool** Aspect: 16:9	Picture Menu Sub Adjust Sub Bright	1) Change color templature to "Cool". 2)Re-set Sub bright to "30"

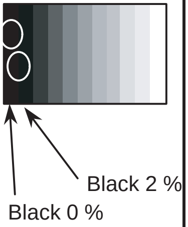
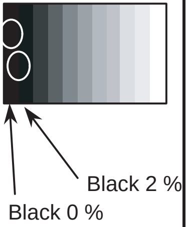
<table>
<tr><th></th><th></th><th>Equipment</th><th>Setting</th><th>Alignment menu</th><th>Procedure</th></tr>
<tr><td>5</td><td>SECAM signal</td><td></td><td>Picture:
Normal
Aspect:
16:9
White balance:
Cool
Normal
Warm</td><td></td><td>1) Write down each color temaparature of R,G,B drive and Cut off data as follows.
<table>
<tr><th>White Balance</th><th>Cool</th><th>Normal</th><th>Warm</th></tr>
<tr><td>R Drive</td><td></td><td></td><td></td></tr>
<tr><td>G Drive</td><td></td><td></td><td></td></tr>
<tr><td>B Drive</td><td></td><td></td><td></td></tr>
<tr><td>R Cut off</td><td></td><td></td><td></td></tr>
<tr><td>G Cut off</td><td></td><td></td><td></td></tr>
<tr><td>B Cut off</td><td></td><td></td><td></td></tr>
</table>
2) Input SECAM signal.
3) Copy PAL R,G,B drive and cut off data of each white balance mode to SECAM position.</td></tr>
</table>

	INPUT	Equipment	Setting	Alignment menu	Procedure
1	PAL Gray Scale Pattern  	Color Analyzer	Picture: Normal White balance: **Cool** Aspect: 16:9	Sub Adjust Sub Bright	1) Find the nearest area to brightness of 10 cd/m^2 as Low light by color sensor. 2) Adjust Sub bright to set Low light level to 10 cd/m^2 exactly.
				PANEL W/B G cut off	3) Set G cut off to " 80 ".
				PANEL W/B B cut off R cut off	4) Adjust B and R cut off to set color temperature as shown Fig.-02.
				Sub Adjust Sub Bright	5) If Sub Bright is changed re-adjust it to set Low light to 10 cd/m^2.
					6)Find 75% of white area by color sensor.
				PANEL W/B G Drive	7) Set G Drive to " D8 ".
				PANEL W/B B Drive R Drive	8) Adjust B and R Drive to set color temperature as shown Fig.-02.
					9) Repeat procedure 4) to 7) to set both Low light and high light.
				PANEL W/B R,G,B Drive R,G,B Drive	10) Increase same steps of R, G and B Drive to set largest level of 3 color drive to "FC".
				PANEL W/B R,G,B cut off	11) Re-adjust Low light level again.
2			Picture: Normal White balance: **Normal** Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Normal". 2) Repeat procedure 3) to 11) of Cool mode.
3			Picture: Normal White balance: **Warm** Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Warm". 2) Repeat procedure 3) to 11) of Cool mode.
4			Picture: Normal White balance: **Cool** Aspect: 16:9	Picture Menu Sub Adjust Sub Bright	1) Change color templature to "Cool". 2)Re-set Sub bright to "30"

Color Temp.	x	y
Cool(Hi)	0.272	0.290
Normal(Mid)	0.288	0.296
Warm(Low)	0.313	0.329

Fig. -02

<table>
<tr><th></th><th>INPUT</th><th>Equipment</th><th>Setting</th><th>Alignment menu</th><th>Procedure</th></tr>
<tr><td>1</td><td rowspan="3">NTSC
Gray Scale
Pattern
 </td><td rowspan="3">Color
Analyzer</td><td>Picture:
Normal
White balance:
Cool
Aspect:
16:9</td><td>Sub Adjust
Sub Bright
PANEL W/B
G cut off
PANEL W/B
B cut off
R cut off
Sub Adjust
Sub Bright
PANEL W/B
G Drive
PANEL W/B
B Drive
R Drive
PANEL W/B
R,G,B Drive
R,G,B Drive
PANEL W/B
R,G,B cut off</td><td>1) Find the nearest area to brightness of 10 $\mathrm{cd/m^2}$ as Low light by color sensor.
2) Adjust Sub bright to set Low light level to 10 $\mathrm{cd/m^2}$ exactly.
3) Set G cut off to " 80 ".
4) Adjust B and R cut off to set color temperature as shown Fig.-01.
5) If Sub Bright is changed re-adjust it to set Low light to 10 $\mathrm{cd/m^2}$.
6)Find 75% of white area by color sensor.
7) Set G Drive to " D8 ".
8) Adjust B and R Drive to set color temperature as shown Fig.-01.
9) Repeat item 4) to 7) to set both Low light and high light.
10) Increase same steps of R, G and B Drive to set largest level of 3 color drive to "FC".
11) Re-adjust Low light level again.
<table>
<tr><th>Color Temp.</th><th>x</th><th>y</th></tr>
<tr><td>Cool(Hi)</td><td>0.272</td><td>0.290</td></tr>
<tr><td>Normal(Mid)</td><td>0.288</td><td>0.296</td></tr>
<tr><td>Warm(Low)</td><td>0.313</td><td>0.329</td></tr>
</table>
Fig. -01</td></tr>
<tr><td>2</td><td>Picture:
Normal
White balance:
Normal
Aspect:
16:9</td><td>PANEL W/B
R,G,B cut off
PANEL W/B
R,G,B Drive</td><td>1) Change white balance to "Normal".
2) Repeat procedure 3) to 11) of Cool mode.</td></tr>
<tr><td>3</td><td>Picture:
Normal
White balance:
Warm
Aspect:
16:9</td><td>PANEL W/B
R,G,B cut off
PANEL W/B
R,G,B Drive</td><td>1) Change white balance to "Warm".
2) Repeat procedure 3) to 11) of Cool mode.</td></tr>
<tr><td>4</td><td></td><td></td><td>Picture:
Normal
White balance:
Cool
Aspect:
16:9</td><td>Picture Menu
Sub Adjust
Sub Bright</td><td>1) Change color templature to "Cool".
2)Re-set Sub bright to "30"</td></tr>
</table>

	INPUT	Equipment	Setting	Alignment menu	Procedure
1	Component (525i, 525p, 625i, 720i or 1080i) Gray Scale Pattern 		Picture: Normal White balance: **Cool** Aspect: 16:9	PANEL W/B R cut off G cut off B cut off Chroma Control: Gun off RGB Sub Adjust: G Sub Bright Chroma Control: Gun off RGB Sub Adjust: B Sub Bright Chroma Control: Gun off RGB Sub Adjust: R Sub Bright	** Adjust at the dark room. 1) Set R,G and B cut off to " **80** ". 2) Set Gun off to "**5**". (Only green pixels can emit.) 3) Adjust G Sub bright to start some of green pixels emission at black 2% area and no emission at black 0% area. 4) Set Gun off to "**3**". (Only blue pixels can emit.) 5) Adjust B Sub bright to start some of blue pixels emission at black 2% area and no emission at black 0% area. 6) Set Gun off to "**6**". (Only red pixels can emit.) 7) Adjust R Sub bright to start some of red pixels emission at black 2% area and no emission at black 0% area.
2	RGB(PC) Gray Scale Pattern 		Picture: Normal White balance: **Cool** Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change input to RGB signal. 2) Repeat procedure 1) to 7) of Component input signal.

14 Block and Schematic Diagrams

14.1. Schematic Diagram Notes

Important Safety Notice

Components identified by ⚠ mark have special characteristics important for safety.
When replacing any of these components, use only manufacture's specified parts.

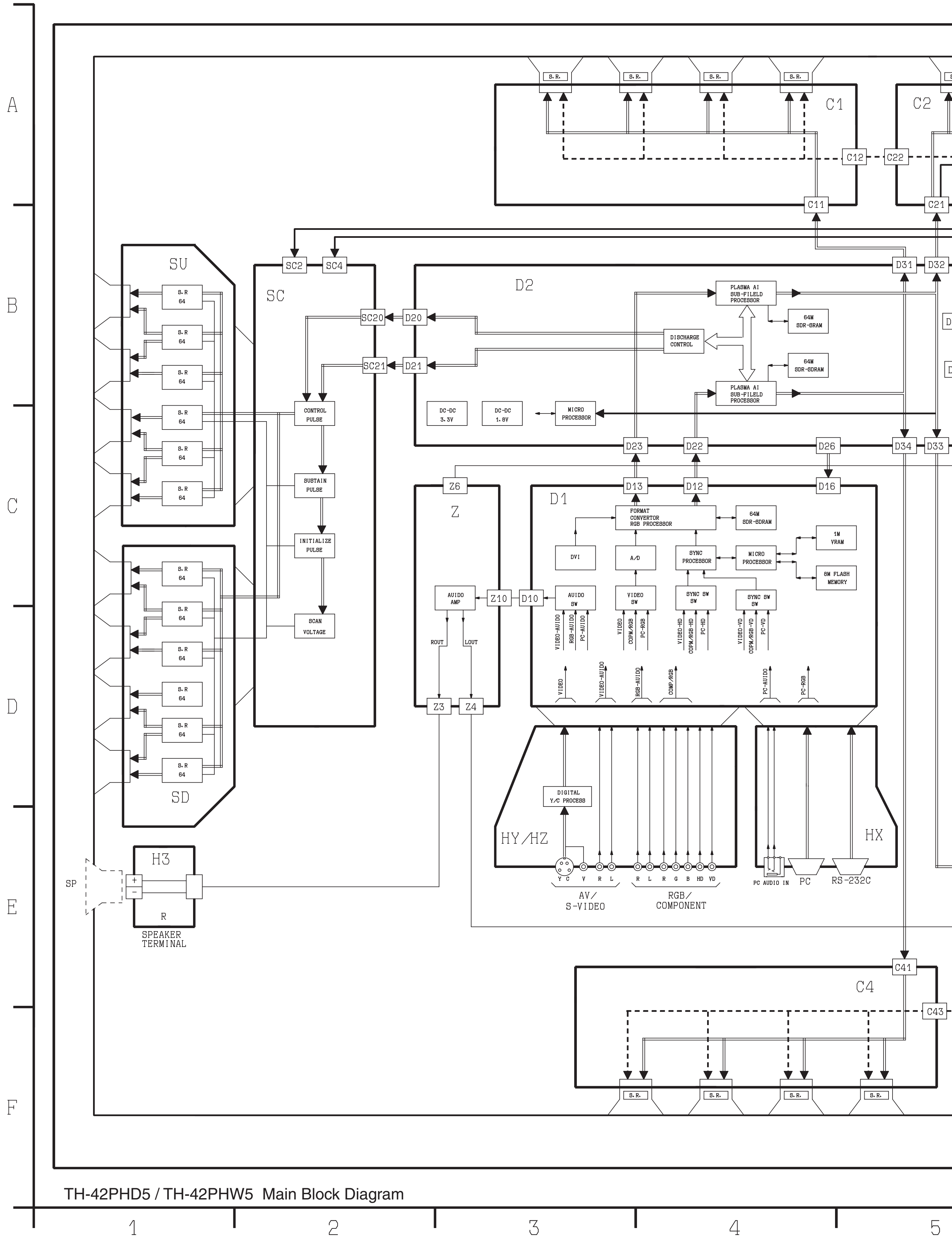
Notes:

1. **Resistor**
   All resistors are cabon 1/4W resistor, unless marked as follows:
   Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).
   ○ : Nonflammable ⊠ : Metal Oxide
   △ : Solid ◎ : Metal Film
   ⧄ : Wire Wound ⊗ : Fuse**:**
2. **Capacitor**
   All capacitors are ceramic 50V capacitor, unless marked as follows:
   Unit of capacitance is µF, unless otherwise noted.
   ⊗ : Temperature Compensation +⊣⊢ : Electrolytic
   Ⓜ : Polyester NP⊣⊢ : Bipolar
   ⓜ : Metalized Polyester Ⓣ : Dipped Tantalum
   ⊠ : Polypropylene ⓩ : Z-Type
3. Coil
   Unit of inductance is µF, unless otherwise noted.
4. Test Point
   ⚲ : Test Point position
5. Earth Symbol
   ⏚ : Chassis Earth (Cold) ▽ : Line Earth (Hot)
6. Voltage Measurement
   Voltage is measured by a DC voltmeter.
   Conditions of the measurement are the following:
   Power Source ....AC 120V, 50/60Hz
   (UY/UZ VERSION model)/
   AC220-240V, 50/60Hz
   (Except UY/UZ VERSION)
   Receiving Signal .... Colour Bar signal (RF)
   All customer's controls .... Maximum positions
7. Number in red circle indicates waveform nember.
   (See waveform pattern table.)
8. When arrow mark (↗) is found, connection is easily found from the direction of arrow
9. Indicates the major signal flow. : Video ➡ Audio ⇨
10. This schematic diagram is the latest at the time of printing and subject to change without notice.

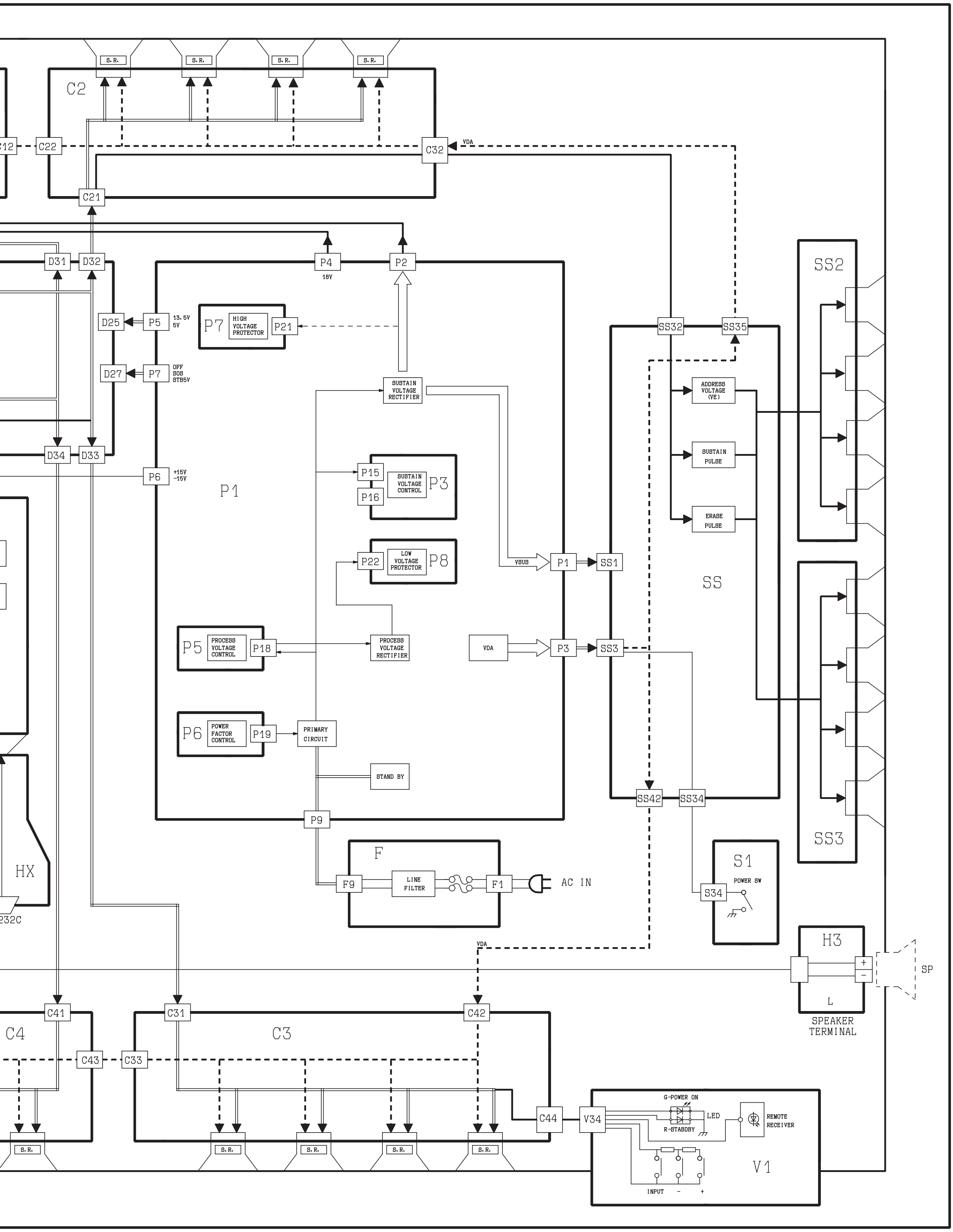
Remarks:

1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.
   The circuit is defined by HOT and COLD indications in the schematic diagram. Take the follwing precautions.
   All circuits, except the Power Circuit, are cold.
   Precautions
   - a. Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
   - b. Do not short- circuit the hot and cold circuits or a fuse may blow and parts may break.
   - c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow.
     Connect the earth of instruments to the earth connection of the circuit being measured.
   - d. Make sure to disconnect the power plug before removing the chassis.
2. Following diodes are interchangeable.
   MA150- MA162 (Replacement part)

14.2. Main Block Diagram


A
B
C
D
E
F
1
2
3
4
5
S.R.
C1
C2
C12
C22
C11
C21
SU
SD
S.R 64
SC
SC2
SC4
SC20
SC21
CONTROL PULSE
SUSTAIN PULSE
INITIALIZE PULSE
SCAN VOLTAGE
D2
D20
D21
D31
D32
PLASMA AI SUB-FILELD PROCESSOR
64M SDR-SRAM
64M SDR-SDRAM
DISCHARGE CONTROL
DC-DC 3.3V
DC-DC 1.8V
MICRO PROCESSOR
D23
D22
D26
D34
D33
Z6
Z
D13
D12
D16
D1
FORMAT CONVERTOR RGB PROCESSOR
64M SDR-SDRAM
1M VRAM
DVI
A/D
SYNC PROCESSOR
MICRO PROCESSOR
8M FLASH MEMORY
AUIDO AMP
Z10
D10
AUIDO SW
VIDEO SW
SYNC SW SW
SYNC SW SW
ROUT
LOUT
VIDEO-AUIDO
RGB-AUIDO
PC-AUIDO
VIDEO
COPM/RGB
PC-RGB
VIDEO-HD
COPM/RGB-HD
PC-HD
VIDEO-VD
COPM/RGB-VD
PC-VD
VIDEO
VIDEO-AUIDO
RGB-AUIDO
COMP/RGB
PC-AUIDO
PC-RGB
Z3
Z4
DIGITAL Y/C PROCESS
HY/HZ
HX
Y C V R L
R L R G B HD VD
AV/ S-VIDEO
RGB/ COMPONENT
PC AUDIO IN
PC
RS-232C
H3
SP
+
−
R
SPEAKER TERMINAL
C41
C4
C43

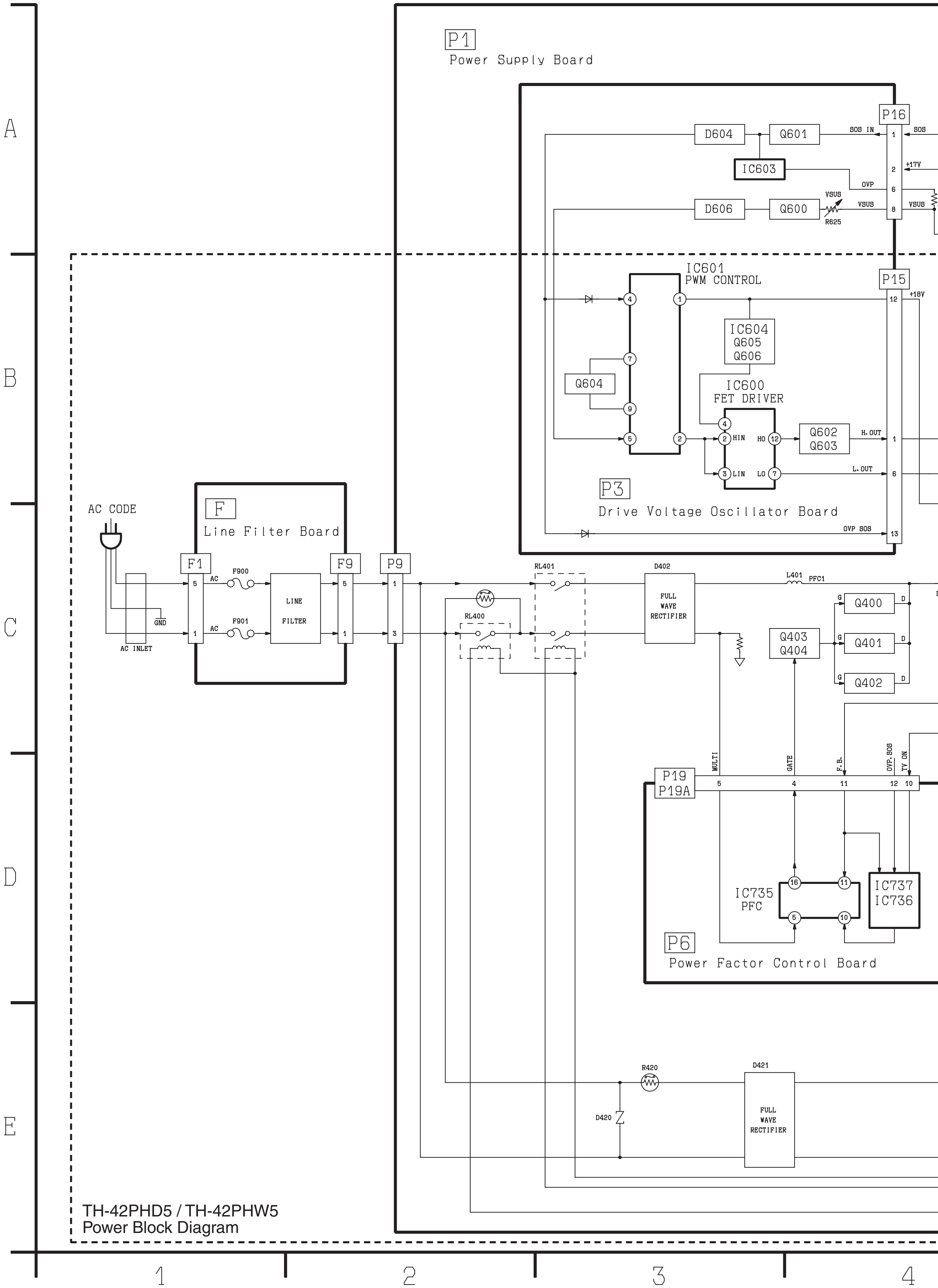
TH-42PHD5 / TH-42PHW5 Main Block Diagram


S.R.
C2
C12
C22
C32
VDA
C21
D31
D32
P4
18V
P2
D25
P5
13.5V
5V
P7
HIGH VOLTAGE PROTECTOR
P21
D27
P7
OFF
SOS
STB5V
SUSTAIN VOLTAGE RECTIFIER
D34
D33
P6
+15V
-15V
P1
P15
P16
SUSTAIN VOLTAGE CONTROL
P3
P22
LOW VOLTAGE PROTECTOR
P8
VSUS
P1
SS1
P5
PROCESS VOLTAGE CONTROL
P18
PROCESS VOLTAGE RECTIFIER
VDA
P3
SS3
P6
POWER FACTOR CONTROL
P19
PRIMARY CIRCUIT
STAND BY
P9
F
F9
LINE FILTER
F1
AC IN
HX
232C
SS2
SS32
SS35
ADDRESS VOLTAGE (VE)
SUSTAIN PULSE
ERASE PULSE
SS
SS42
SS34
SS3
S1
POWER SW
S34
H3
SP
L
SPEAKER TERMINAL
VDA
C4
C41
C43
C33
C31
C3
C42
C44
V34
G-POWER ON
LED
R-STABDBY
REMOTE RECEIVER
V1
INPUT
-
+

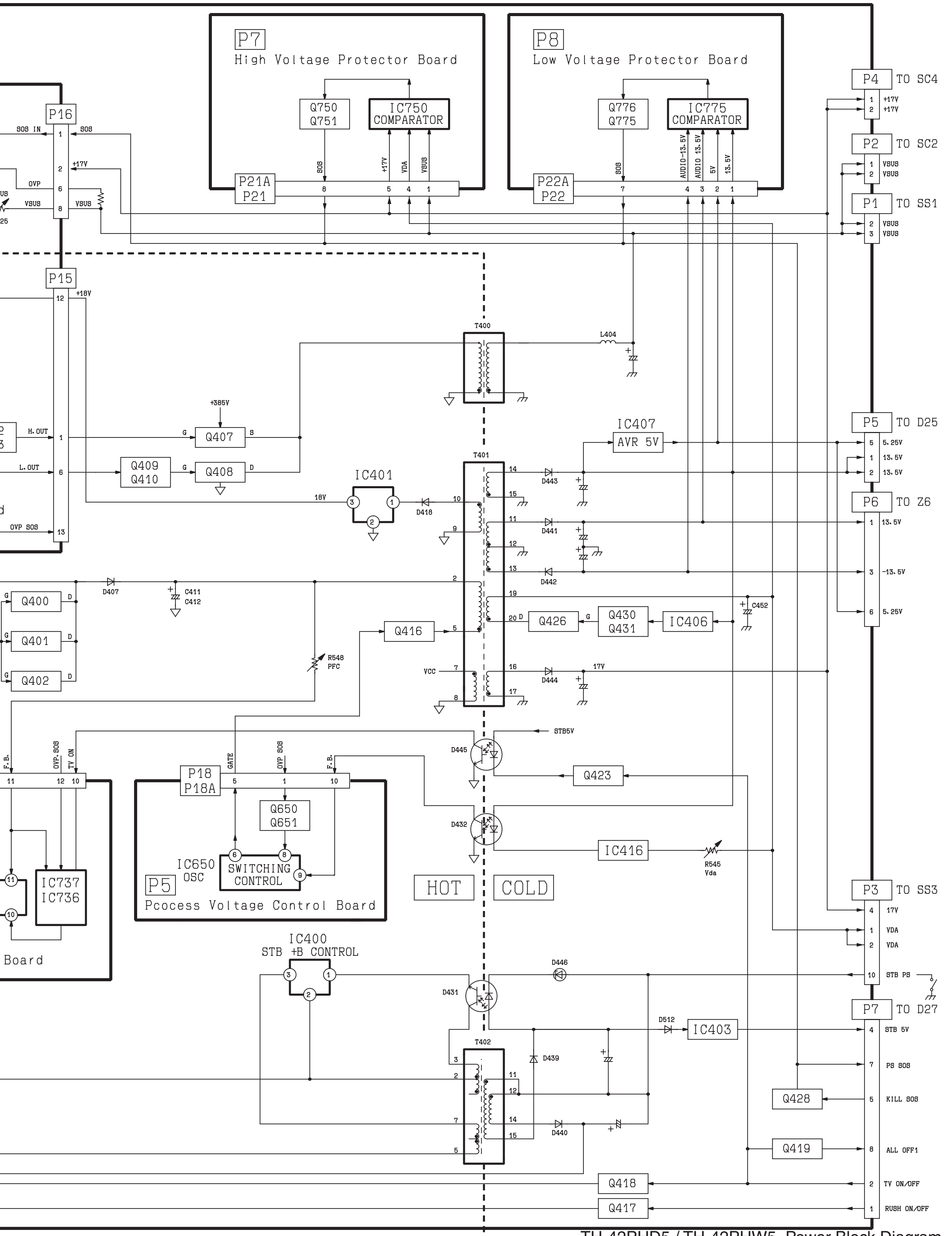
TH-42PHD5 / TH-42PHW5 Main Block Diagram

5
6
7
8
9

14.3. Power Block Diagram


P1
Power Supply Board
P16
D604
Q601
SOS IN
SOS
IC603
+17V
OVP
VSUS
D606
Q600
R625
IC601
PWM CONTROL
P15
+18V
IC604
Q605
Q606
Q604
IC600
FET DRIVER
HIN
HO
LIN
LO
Q602
Q603
H.OUT
L.OUT
P3
Drive Voltage Oscillator Board
OVP SOS
AC CODE
F
Line Filter Board
F1
F9
P9
F900
F901
AC
GND
AC INLET
LINE FILTER
RL401
RL400
D402
FULL WAVE RECTIFIER
L401
PFC1
Q400
Q401
Q402
Q403
Q404
G
D
MULTI
GATE
F.B.
OVP.SOS
TV ON
P19
P19A
IC735
PFC
IC737
IC736
P6
Power Factor Control Board
R420
D421
D420
A
B
C
D
E
1
2
3
4

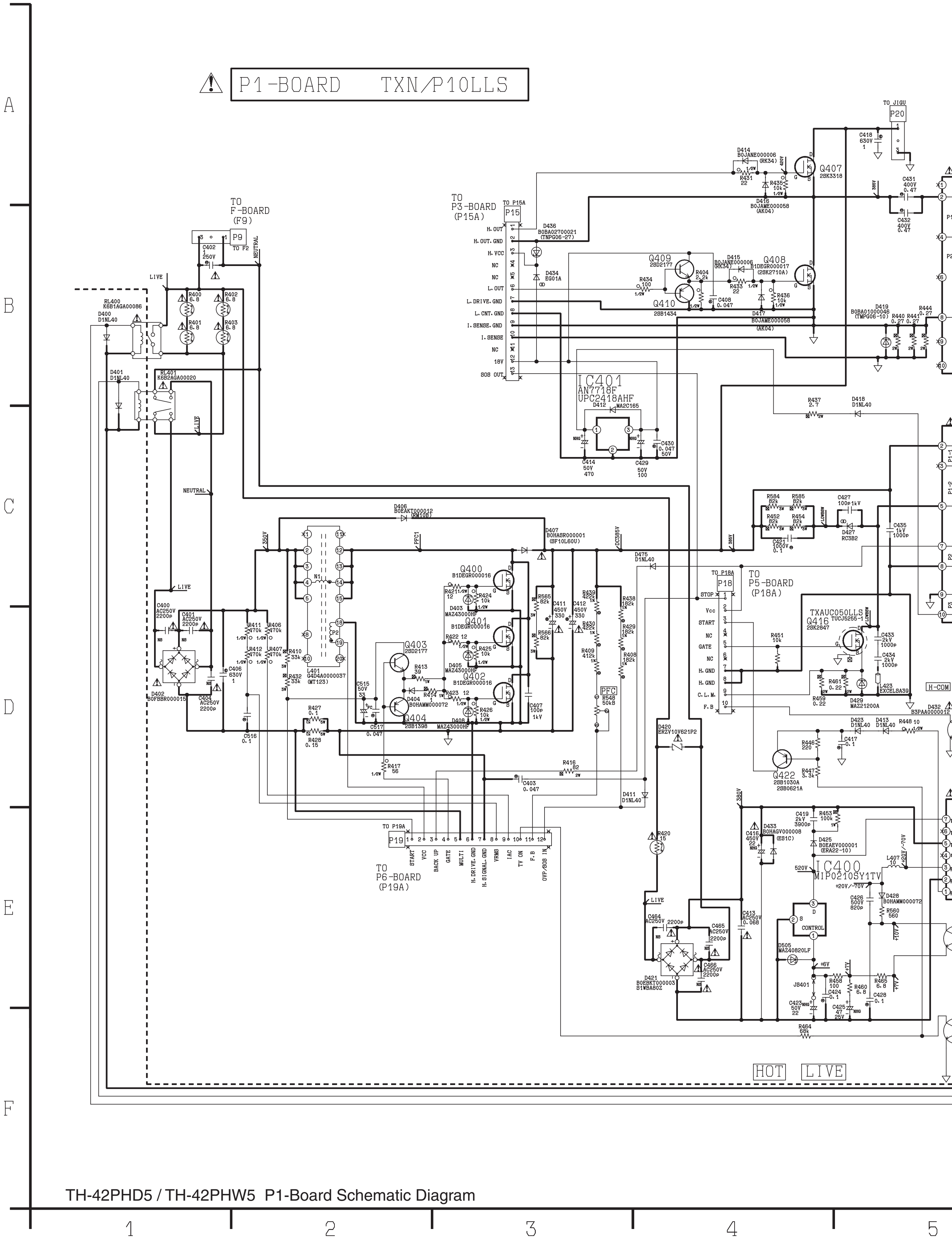
TH-42PHD5 / TH-42PHW5
Power Block Diagram


P7
High Voltage Protector Board
Q750
Q751
IC750
COMPARATOR
SOS
+17V
VDA
VSUS
P21A
P21
8
5
4
1
P8
Low Voltage Protector Board
Q776
Q775
IC775
COMPARATOR
SOS
AUDIO-13.5V
AUDIO 13.5V
5V
13.5V
P22A
P22
7
4
3
2
1
P16
SOS IN
SOS
+17V
OVP
VSUS
P15
+18V
H.OUT
L.OUT
OVP SOS
12
1
6
13
P4
TO SC4
+17V
+17V
P2
TO SC2
VSUS
VSUS
P1
TO SS1
VSUS
VSUS
T400
L404
+385V
Q407
Q408
Q409
Q410
G
S
D
IC401
18V
D418
T401
IC407
AVR 5V
D443
D441
D442
Q426
Q430
Q431
IC406
C452
D444
17V
VCC
P5
TO D25
5.25V
13.5V
13.5V
P6
TO Z6
13.5V
-13.5V
5.25V
D407
C411
C412
Q400
Q401
Q402
Q416
R548
PFC
F.B.
OVP.SOS
TV ON
11
12
10
P18
P18A
GATE
OVP SOS
F.B.
Q650
Q651
IC650
OSC
SWITCHING
CONTROL
P5
Pcocess Voltage Control Board
IC737
IC736
Board
STB5V
D445
Q423
D432
IC416
R545
Vda
HOT
COLD
P3
TO SS3
17V
VDA
VDA
STB PS
IC400
STB +B CONTROL
D446
D431
P7
TO D27
D512
IC403
STB 5V
PS SOS
T402
D439
Q428
KILL SOS
D440
Q419
ALL OFF1
Q418
TV ON/OFF
Q417
RUSH ON/OFF

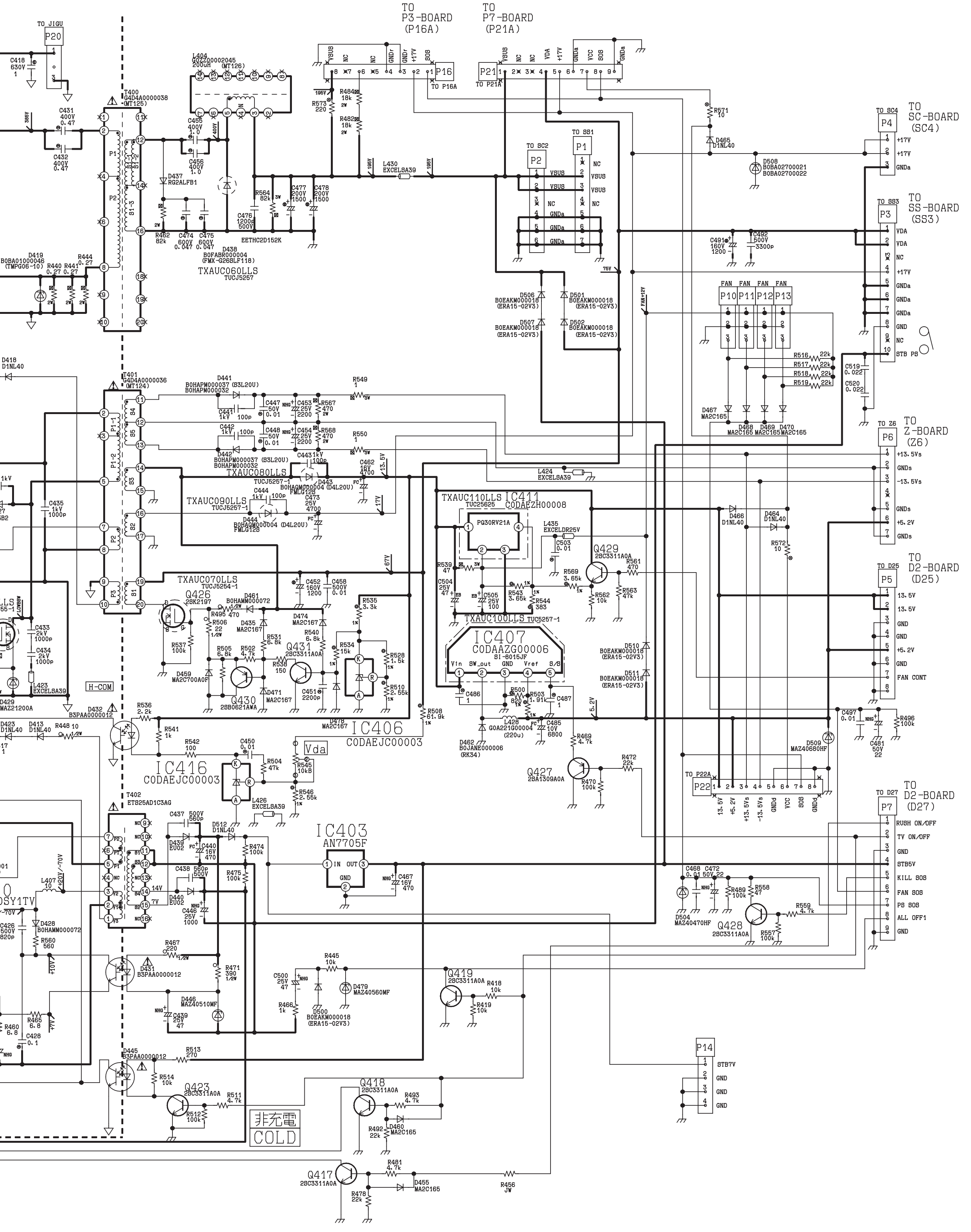
TH-42PHD5 / TH-42PHW5 Power Block Diagram

4 5 6 7

14.4. P1-Board Schematic Diagram


P1-BOARD TXN/P10LLS
A
B
C
D
E
F
1
2
3
4
5
TO F-BOARD (F9)
P9
TO F2
NEUTRAL
LIVE
C402 1 250V
RL400 K6B1AGA00086
D400 D1NL40
R400 6.8
R402 6.8
R401 6.8
R403 6.8
D401 D1NL40
RL401 K6B2AGA00020
TO P3-BOARD (P15A)
TO P15A
P15
H.OUT
H.OUT.GND
H.VCC
NC
L.OUT
L.DRIVE.GND
L.CNT.GND
I.SENSE.GND
I.SENSE
18V
SOS OUT
D436 B0BA02700021 (TNPG06-27)
D434 EG01A
Q409 2SD2177
Q410 2SB1434
Q408 B1DEGR000017 (2SK2710A)
Q407 2SK3318
D414 B0JANE000006 (RK34)
D415 B0JANE000006 (RK34)
D416 B0JAME000058 (AK04)
D417 B0JAME000058 (AK04)
IC401 AN7718F UPC2418AHF
D412 MA2C165
C414 50V 470
C429 50V 100
C430 0.047 50V
TO JIGU
P20
C418 630V 1
C431 400V 0.47
C432 400V 0.47
D419 B0BA01000046 (TNPG06-10)
R440 0.27
R441 0.27
R444 0.27
R437 2.7
D418 D1NL40
D406 B0EAKT000012 (RM10B)
D407 B0HABR000001 (SF10L60U)
350V
PFC1
DC385V
385V
N1
L401 G4D4A0000037 (MT123)
Q400 B1DEGR000016
Q401 B1DEGR000016
Q402 B1DEGR000016
Q403 2SD2177
Q404 2SB1398
D403 MAZ43000HF
D405 MAZ43000HF
D408 MAZ43000HF
D404 B0HAMM000072
C400 AC250V 2200p
C401 AC250V 2200p
C404 AC250V 2200p
C406 630V 1
C516 0.1
C517 0.047
C515 50V 33
C407 100p 1kV
D402 B0FBBR000015
R427 0.1
R428 0.15
R417 56
R416 82
C403 0.047
D475 D1NL40
PFC
R548 50kB
D411 D1NL40
D420 ERZV10V621P2
R420 15
TO P6-BOARD (P19A)
TO P19A
P19
START
VCC
BACK UP
GATE
MULTI
H.DRIVE.GND
H.SIGNAL.GND
VRMS
IAC
TV ON
F.B
OVP/SOS IN
TO P5-BOARD (P18A)
TO P18A
P18
STOP
Vcc
START
NC
GATE
NC
H.GND
H.GND
C.L.M.
F.B
TXAUC050LLS
Q416 TUCJ5255-1 2SK2847
R451 10k
C427 100p 1kV
D427 RC3B2
C435 1kV 1000p
C421 1000V 0.1
C433 2kV 1000p
C434 2kV 1000p
L423 EXCELSA39
D429 MAZ21200A
H-COM
D432 B3PAA0000012
D423 D1NL40
D413 D1NL40
R448 10
C417 0.1
Q422 2SB1030A 2SB0621A
R446 220
R447 3.3k
380V
C416 450V 22
D433 B0HAGV000008 (ES1C)
C419 2kV 3900p
R453 100k
D425 B0EAEV000001 (ERA22-10)
IC400 MIP0210SY1TV
520V
L407 10
+20V/-70V
C426 500V 820p
D426 B0HAMM000072
R560 560
CONTROL
D505 MAZ40820LF
+6V
JS401
C423 50V 22
C425 47 25V
C424 0.1
R459 100
R460 6.8
R465 6.8
C428 0.1
R464 68k
C413 AC250V 0.068
C464 AC250V 2200p
C465 AC250V 2200p
C466 AC250V 2200p
D421 B0EBKT000003 S1WBA80Z
HOT
LIVE

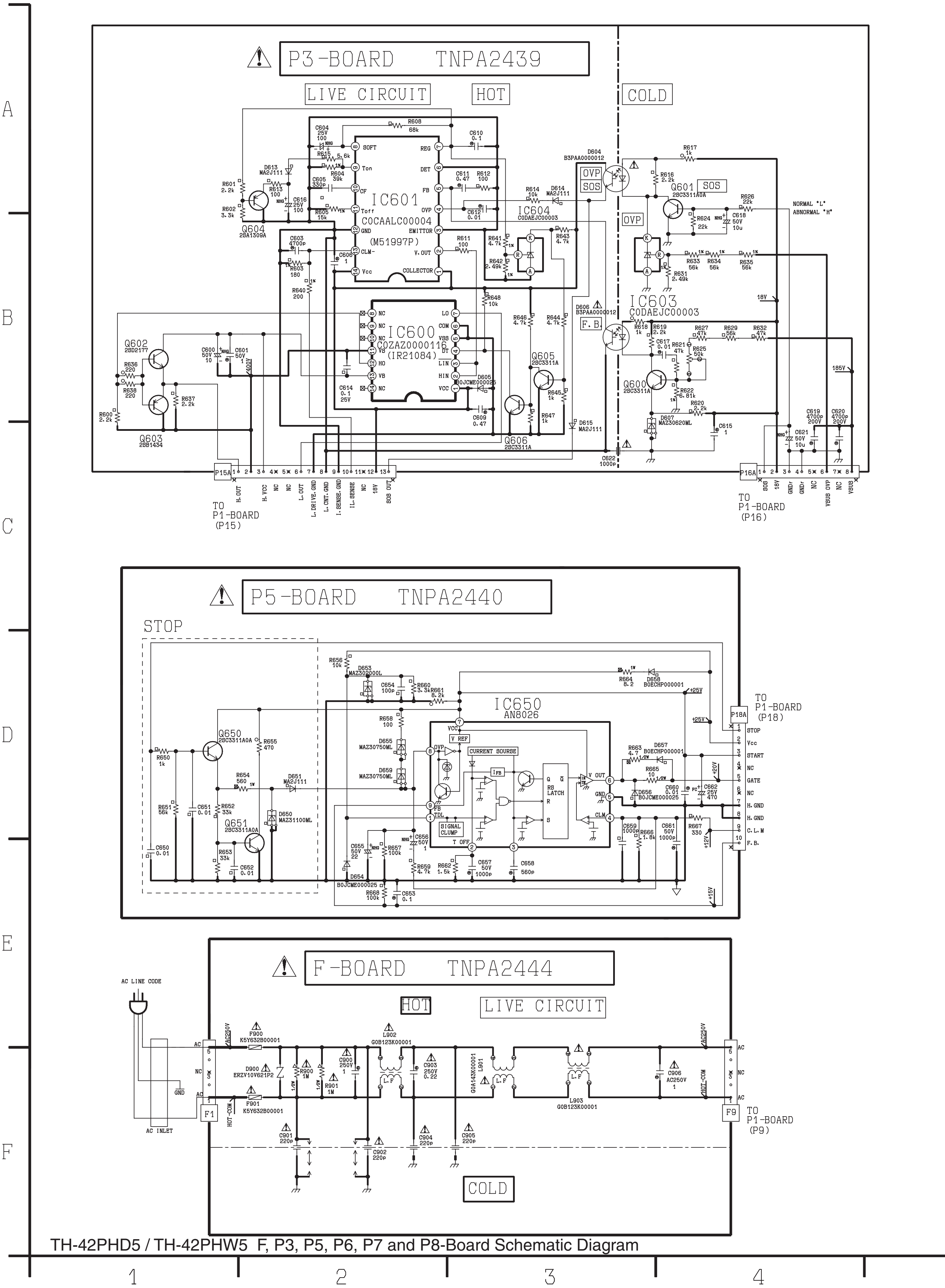
TH-42PHD5 / TH-42PHW5 P1-Board Schematic Diagram


TO JIGU
P20
TO P3-BOARD (P16A)
TO P7-BOARD (P21A)
P16
TO P16A
P21
TO P21A
VSUS
NC
GNDr
+17V
SOS
VDA
GNDa
VCC
T400
G4D4A0000038
(MT125)
L404
G0ZZ00002045
200uH (MT126)
TXAUC060LLS
TUCJ5257
L430
EXCELSA39
TO SC2
P2
TO SS1
P1
TO SC4
P4
TO SC-BOARD (SC4)
TO SS3
P3
TO SS-BOARD (SS3)
+17V
GNDa
VDA
NC
GND
STB PS
FAN
P10
P11
P12
P13
T401
G4D4A0000036
(MT124)
TXAUC080LLS
TXAUC090LLS
TXAUC070LLS
TUCJ5264-1
Q426
2SK2197
Q430
2SB0621AWA
Q431
2SC3311A0A
IC406
C0DAEJC00003
IC416
C0DAEJC00003
Vda
TXAUC110LLS
TUC25625
IC411
C0DAEZH00008
PQ30RV21A
Q429
2SC3311A0A
TXAUC100LLS
TUC5257-1
IC407
C0DAAZG00006
SI-8015JF
Vin
SW_out
GND
Vref
S/S
TO Z6
P6
TO Z-BOARD (Z6)
+13.5Vs
GNDs
-13.5Vs
+5.2V
TO D25
P5
TO D2-BOARD (D25)
13.5V
+5.2V
FAN CONT
Q427
2SA1309A0A
TO P22A
P22
TO D27
P7
TO D2-BOARD (D27)
RUSH ON/OFF
TV ON/OFF
STB5V
KILL SOS
FAN SOS
PS SOS
ALL OFF1
H-COM
T402
ETS25AD1C3AG
IC403
AN7705F
IN
OUT
Q428
2SC3311A0A
Q419
2SC3311A0A
Q423
2SC3311A0A
Q418
2SC3311A0A
Q417
2SC3311A0A
P14
STB7V
非充電
COLD

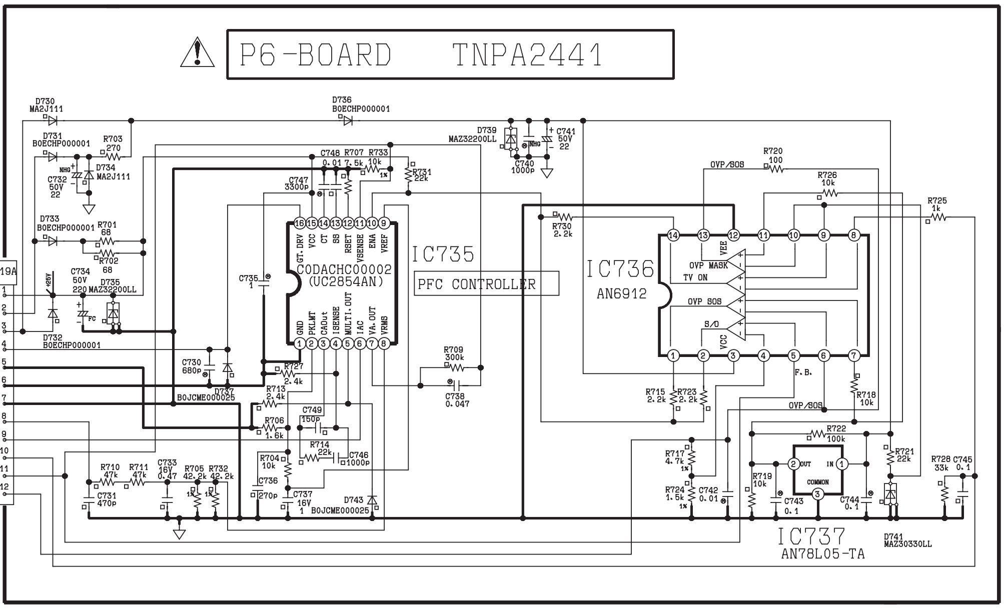
TH-42PHD5 / TH-42PHW5 P1-Board Schematic Diagram

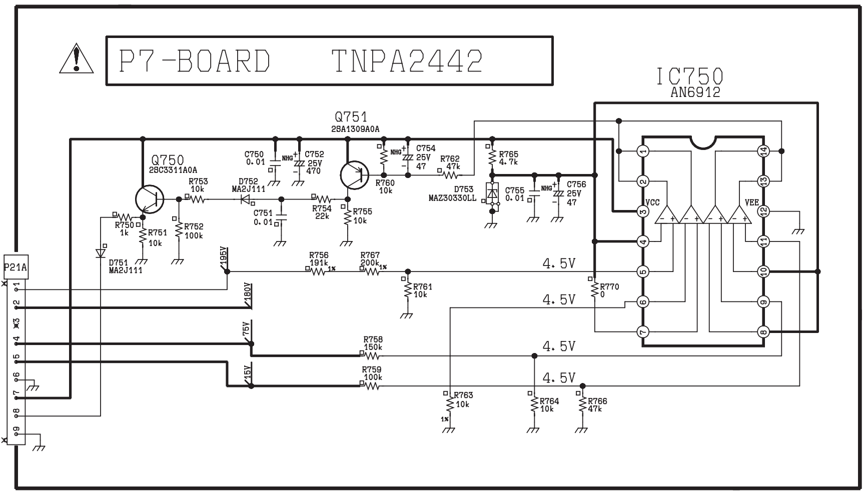
5 6 7 8 9

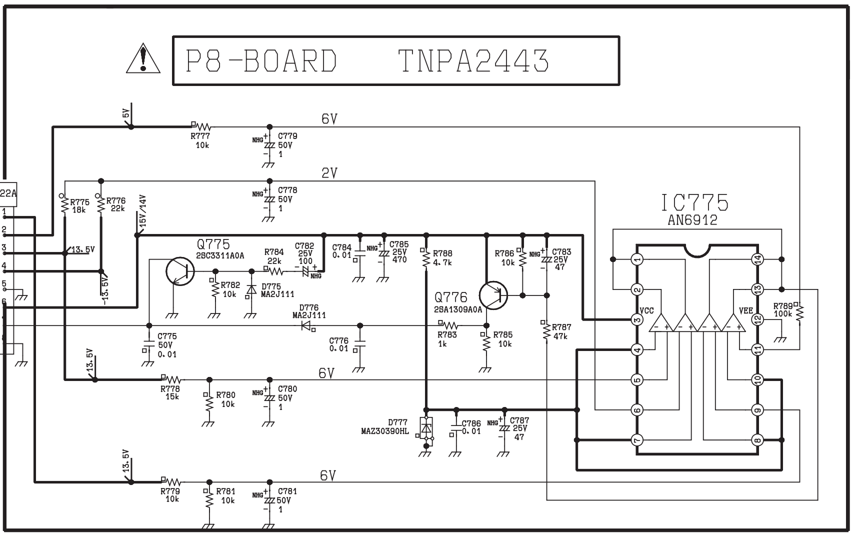
14.5. F, P3, P5, P6, P7 and P8-Board Schematic Diagram


P3-BOARD TNPA2439
LIVE CIRCUIT
HOT
COLD
IC601
C0CAALC00004
(M51997P)
IC600
C0ZAZ0000116
(IR21084)
IC604
C0DAEJC00003
IC603
C0DAEJC00003
Q601 SOS
OVP
SOS
F.B.
NORMAL "L"
ABNORMAL "H"
Q602
Q603
Q604
Q605
Q606
Q600
TO P1-BOARD (P15)
TO P1-BOARD (P16)
P15A
P16A
P5-BOARD TNPA2440
STOP
IC650
AN8026
Q650
Q651
TO P1-BOARD (P18)
P18A
F-BOARD TNPA2444
HOT
LIVE CIRCUIT
COLD
AC LINE CODE
AC INLET
F1
F9
TO P1-BOARD (P9)
F900
F901
L902
L903
L901
A
B
C
D
E
F
1
2
3
4

TH-42PHD5 / TH-42PHW5 F, P3, P5, P6, P7 and P8-Board Schematic Diagram

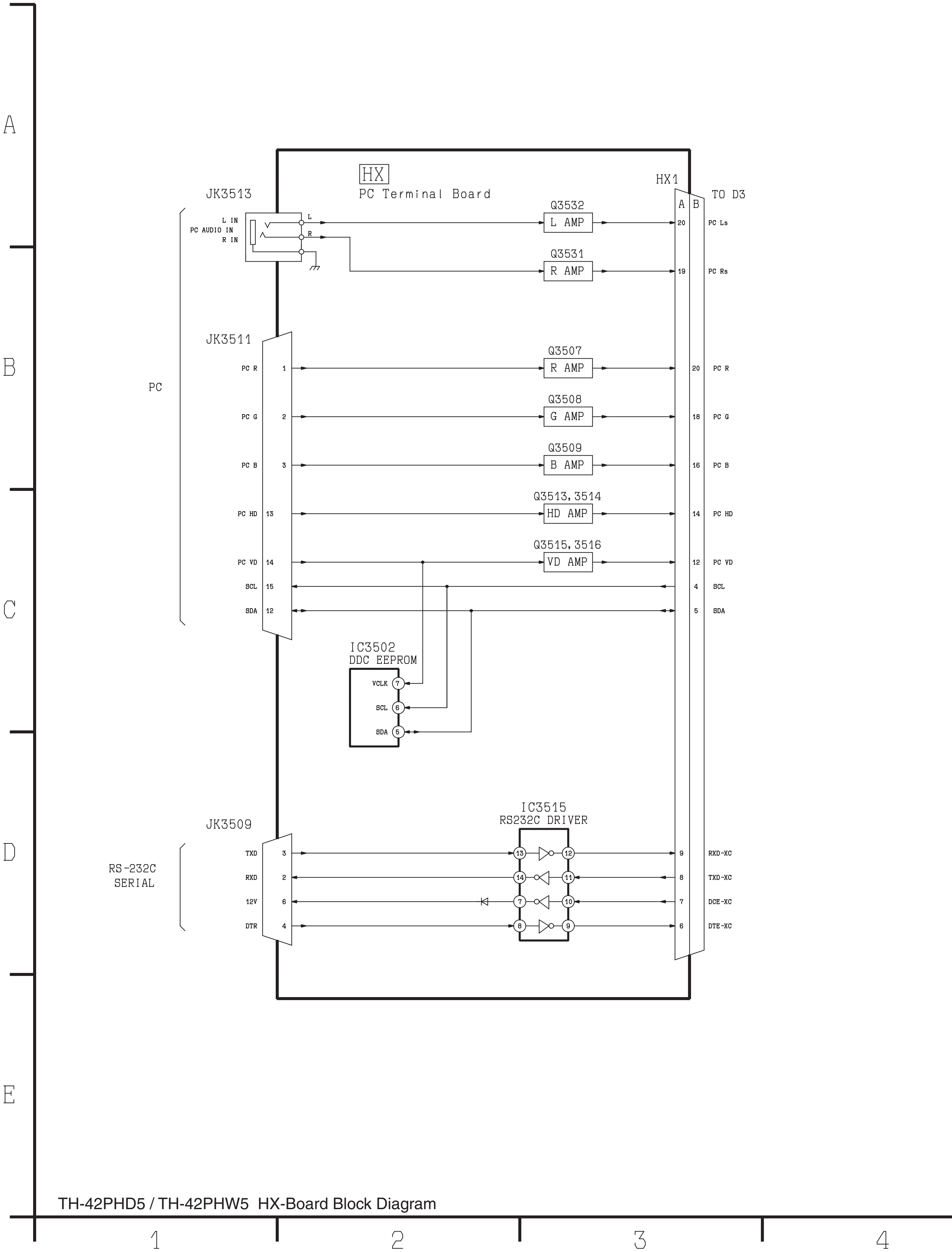

P6-BOARD TNPA2441
TO P1-BOARD (P19)
P19A
START
VCC
BACKUP
GATE
MULTI
H.DRIVE.GND
H.SIGNAL.GND
VRMS
IAC
PFC.DET
F.B.
OVP/SOS
IC735
C0DACHC00002 (UC2854AN)
PFC CONTROLLER
GT.DRV VCC CT SS RSET VSENSE ENA VREF
GND PKLMT CAOut ISENSE MULTI.OUT IAC VA.OUT VRMS
IC736
AN6912
OVP MASK
TV ON
OVP SOS
S/O
VCC
VEE
OVP/SOS
F.B.
IC737
AN78L05-TA
OUT IN COMMON
D730 MA2J111
D731 B0ECHP000001
D732 B0ECHP000001
D733 B0ECHP000001
D734 MA2J111
D735 MAZ32200LL
D736 B0ECHP000001
D737 B0JCME000025
D739 MAZ32200LL
D741 MAZ30330LL
D743 B0JCME000025
R701 68
R702 68
R703 270
R704 10k
R705 42.2k
R706 1.6k
R707 7.5k
R709 300k
R710 47k
R711 47k
R713 2.4k
R714 22k
R715 2.2k
R717 4.7k
R718 10k
R719 10k
R720 100
R721 22k
R722 100k
R723 2.2k
R724 1.5k
R725 1k
R726 10k
R727 2.4k
R728 33k
R730 2.2k
R731 22k
R732 42.2k
R733 10k
C730 680p
C731 470p
C732 50V 22
C733 16V 0.47
C734 50V 220
C735 1
C736 270p
C737 16V 1
C738 0.047
C740 1000p
C741 50V 22
C742 0.01
C743 0.1
C744 0.1
C745 0.1
C746 1000p
C747 3300p
C748 0.01
C749 150p


P7-BOARD TNPA2442
TO P1-BOARD (P21)
P21A
VSUS
Vbk
NC
VDA
15V
GND
VCC
SOS
GND
Q750 2SC3311A0A
Q751 2SA1309A0A
IC750 AN6912
VCC
VEE
195V
180V
75V
15V
4.5V
D751 MA2J111
D752 MA2J111
D753 MAZ30330LL
R750 1k
R751 10k
R752 100k
R753 10k
R754 22k
R755 10k
R756 191k
R758 150k
R759 100k
R760 10k
R761 10k
R762 47k
R763 10k
R764 10k
R765 4.7k
R766 47k
R767 200k
R770 0
C750 0.01
C751 0.01
C752 25V 470
C754 25V 47
C755 0.01
C756 25V 47


P8-BOARD TNPA2443
TO P1-BOARD (P22)
P22A
13.5V
5V
AUDIO 13.5V
AUDIO-13.5V
GND
VCC
SOS
GND
Q775 2SC3311A0A
Q776 2SA1309A0A
IC775 AN6912
VCC
VEE
6V
2V
15V/14V
-13.5V
13.5V
D775 MA2J111
D776 MA2J111
D777 MAZ30390HL
R775 18k
R776 22k
R777 10k
R778 15k
R779 10k
R780 10k
R781 10k
R782 10k
R783 1k
R784 22k
R785 10k
R786 10k
R787 47k
R788 4.7k
R789 100k
C775 50V 0.01
C776 0.01
C778 50V 1
C779 50V 1
C780 50V 1
C781 50V 1
C782 25V 100
C783 25V 47
C784 0.01
C785 25V 470
C786 0.01
C787 25V 47

TH-42PHD5 / TH-42PHW5 F, P3, P5, P6, P7 and P8-Board Schematic Diagram

14.6. HX-Board Block Diagram

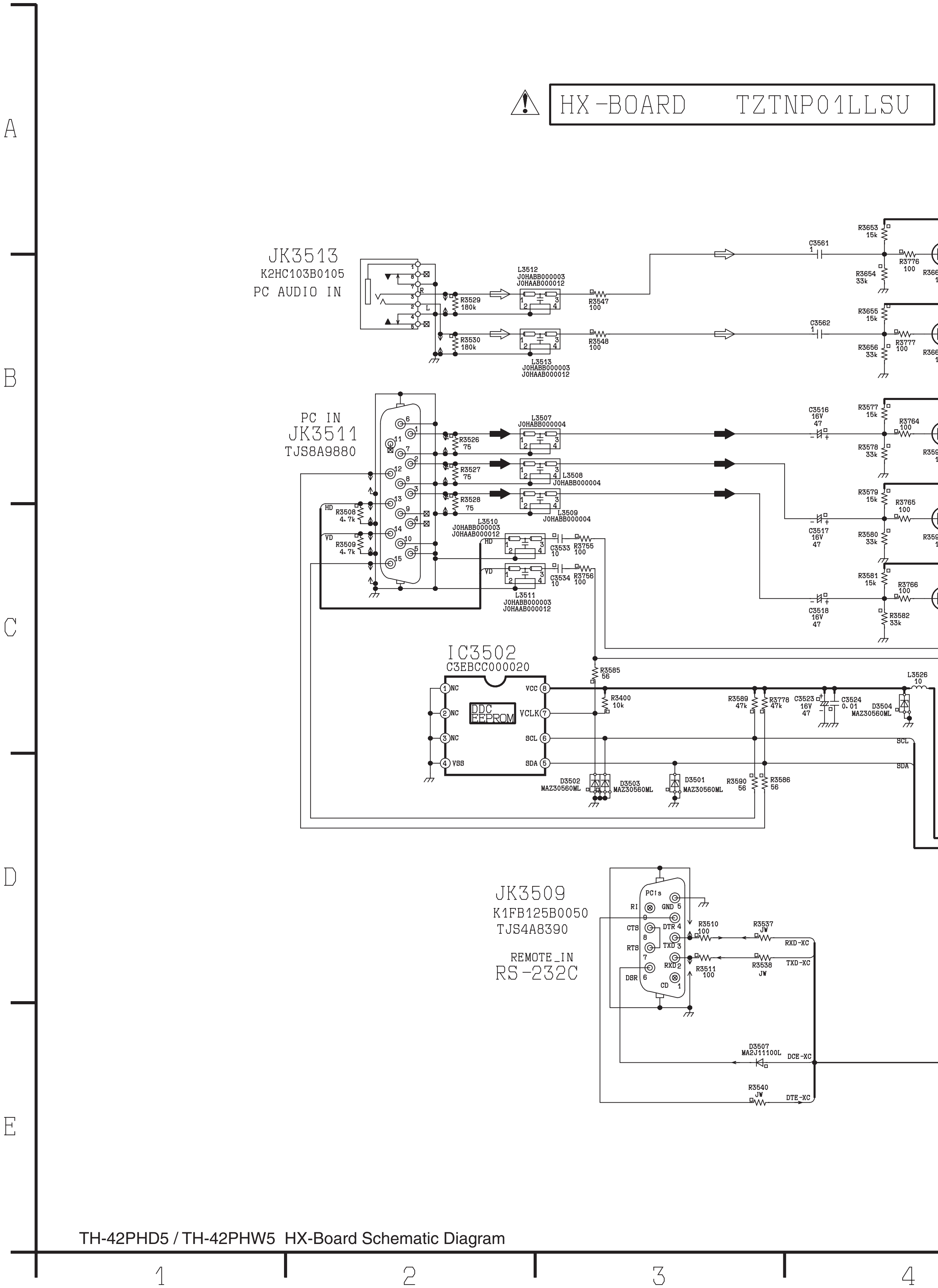

A
B
C
D
E
1
2
3
4
HX
PC Terminal Board
HX1
TO D3
A
B
JK3513
L IN
PC AUDIO IN
R IN
L
R
Q3532
L AMP
20
PC Ls
Q3531
R AMP
19
PC Rs
PC
JK3511
PC R
1
Q3507
R AMP
20
PC R
PC G
2
Q3508
G AMP
18
PC G
PC B
3
Q3509
B AMP
16
PC B
PC HD
13
Q3513, 3514
HD AMP
14
PC HD
PC VD
14
Q3515, 3516
VD AMP
12
PC VD
SCL
15
4
SCL
SDA
12
5
SDA
IC3502
DDC EEPROM
VCLK
7
SCL
6
SDA
5
JK3509
RS-232C
SERIAL
IC3515
RS232C DRIVER
TXD
3
13
12
9
RXD-XC
RXD
2
14
11
8
TXD-XC
12V
6
7
10
7
DCE-XC
DTR
4
8
9
6
DTE-XC

TH-42PHD5 / TH-42PHW5 HX-Board Block Diagram

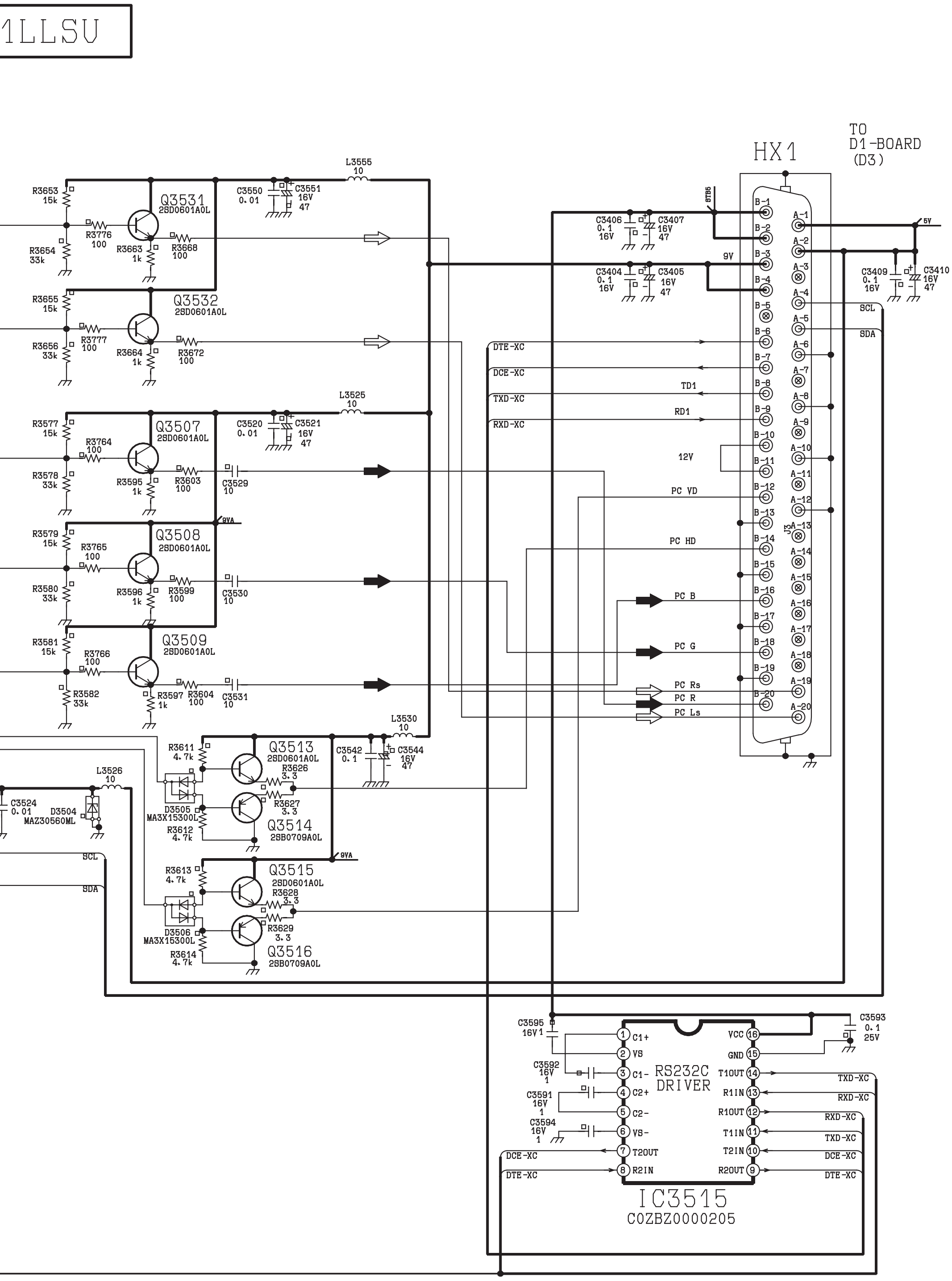
TH-42PHD5 / TH-42PHW5 HX-Board Block Diagram

4 5 6 7

14.7. HX-Board Schematic Diagram


HX-BOARD TZTNP01LLSU
JK3513
K2HC103B0105
PC AUDIO IN
L3512
J0HABB000003
J0HAAB000012
R3529
180k
R3530
180k
R3547
100
R3548
100
L3513
J0HABB000003
J0HAAB000012
C3561
C3562
R3653
15k
R3654
33k
R3776
100
R3655
15k
R3656
33k
R3777
100
PC IN
JK3511
TJS8A9880
L3507
J0HABB000004
R3526
75
R3527
75
R3528
75
L3508
J0HABB000004
L3509
J0HABB000004
HD
VD
R3508
4.7k
R3509
4.7k
L3510
J0HABB000003
J0HAAB000012
C3533
10
R3755
100
C3534
10
R3756
100
L3511
J0HABB000003
J0HAAB000012
C3516
16V
47
R3577
15k
R3764
100
R3578
33k
R3579
15k
R3765
100
C3517
16V
47
R3580
33k
R3581
15k
R3766
100
C3518
16V
47
R3582
33k
IC3502
C3EBCC000020
DDC
EEPROM
NC
NC
NC
VSS
VCC
VCLK
SCL
SDA
R3585
56
R3400
10k
R3589
47k
R3778
47k
C3523
16V
47
C3524
0.01
D3504
MAZ30560ML
L3526
10
D3502
MAZ30560ML
D3503
MAZ30560ML
D3501
MAZ30560ML
R3590
56
R3586
56
JK3509
K1FB125B0050
TJS4A8390
REMOTE_IN
RS-232C
PC's
RI
GND
CTS
DTR
RTS
TXD
RXD
DSR
CD
R3510
100
R3537
JW
R3511
100
R3538
JW
RXD-XC
TXD-XC
D3507
MA2J11100L
DCE-XC
R3540
JW
DTE-XC
A
B
C
D
E
1
2
3
4

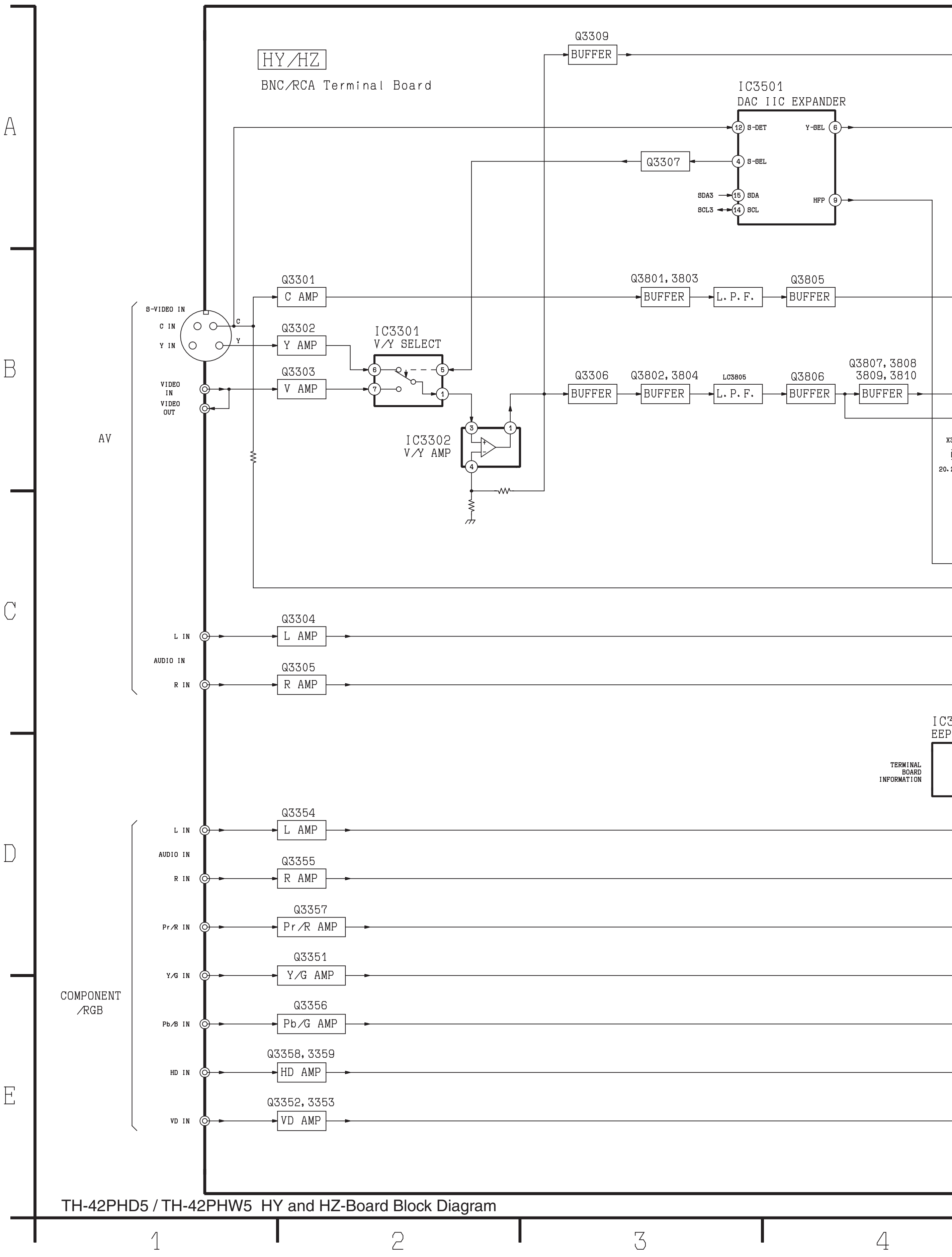
TH-42PHD5 / TH-42PHW5 HX-Board Schematic Diagram


1LLSU
TO
D1-BOARD
(D3)
HX1
L3555 10
R3653 15k
Q3531 2SD0601A0L
C3550 0.01
C3551 16V 47
R3776 100
R3654 33k
R3663 1k
R3668 100
R3655 15k
Q3532 2SD0601A0L
R3777 100
R3656 33k
R3664 1k
R3672 100
L3525 10
R3577 15k
Q3507 2SD0601A0L
C3520 0.01
C3521 16V 47
R3764 100
R3578 33k
R3595 1k
R3603 100
C3529 10
9VA
R3579 15k
Q3508 2SD0601A0L
R3765 100
R3580 33k
R3596 1k
R3599 100
C3530 10
R3581 15k
Q3509 2SD0601A0L
R3766 100
R3582 33k
R3597 1k
R3604 100
C3531 10
L3530 10
R3611 4.7k
Q3513 2SD0601A0L
R3626 3.3
C3542 0.1
C3544 16V 47
L3526 10
C3524 0.01
D3504 MAZ30560ML
D3505 MA3X15300L
R3627 3.3
R3612 4.7k
Q3514 2SB0709A0L
9VA
SCL
SDA
R3613 4.7k
Q3515 2SD0601A0L
R3628 3.3
D3506 MA3X15300L
R3629 3.3
R3614 4.7k
Q3516 2SB0709A0L
5TB6
C3406 0.1 16V
C3407 16V 47
9V
C3404 0.1 16V
C3405 16V 47
6V
C3409 0.1 16V
C3410 16V 47
SCL
SDA
DTE-XC
DCE-XC
TXD-XC
RXD-XC
TD1
RD1
12V
PC VD
PC HD
PC B
PC G
PC Rs
PC R
PC Ls
J3
B-1
B-2
B-3
B-4
B-5
B-6
B-7
B-8
B-9
B-10
B-11
B-12
B-13
B-14
B-15
B-16
B-17
B-18
B-19
B-20
A-1
A-2
A-3
A-4
A-5
A-6
A-7
A-8
A-9
A-10
A-11
A-12
A-13
A-14
A-15
A-16
A-17
A-18
A-19
A-20
C3595 16V 1
C3593 0.1 25V
C3592 16V 1
C3591 16V 1
C3594 16V 1
1 C1+
2 VS
3 C1-
4 C2+
5 C2-
6 VS-
7 T2OUT
8 R2IN
VCC 16
GND 15
T1OUT 14
R1IN 13
R1OUT 12
T1IN 11
T2IN 10
R2OUT 9
RS232C
DRIVER
TXD-XC
RXD-XC
RXD-XC
TXD-XC
DCE-XC
DTE-XC
DCE-XC
DTE-XC
IC3515
C0ZBZ0000205

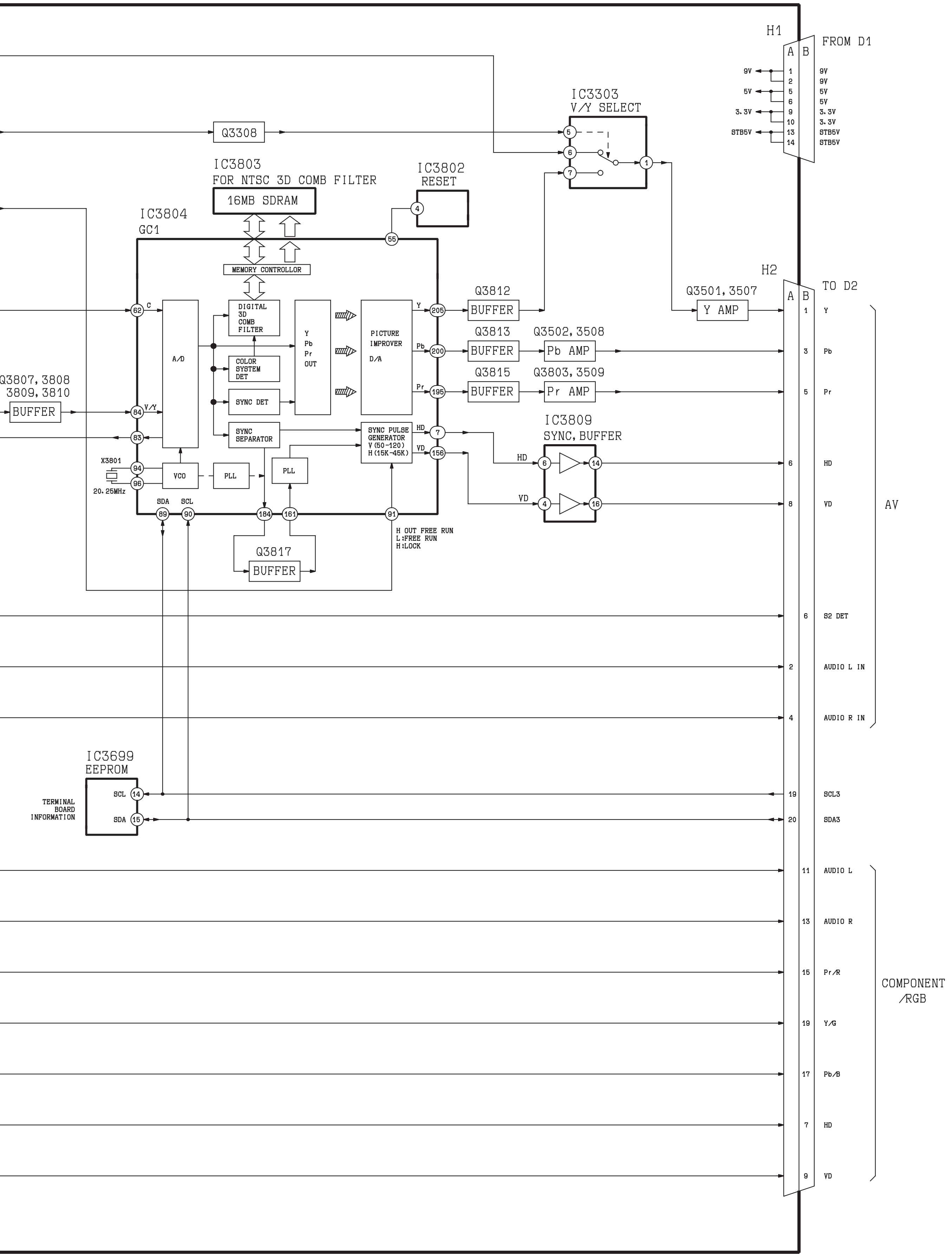
TH-42PHD5 / TH-42PHW5 HX-Board Schematic Diagram

4 5 6 7

14.8. HY and HZ-Board Block Diagram

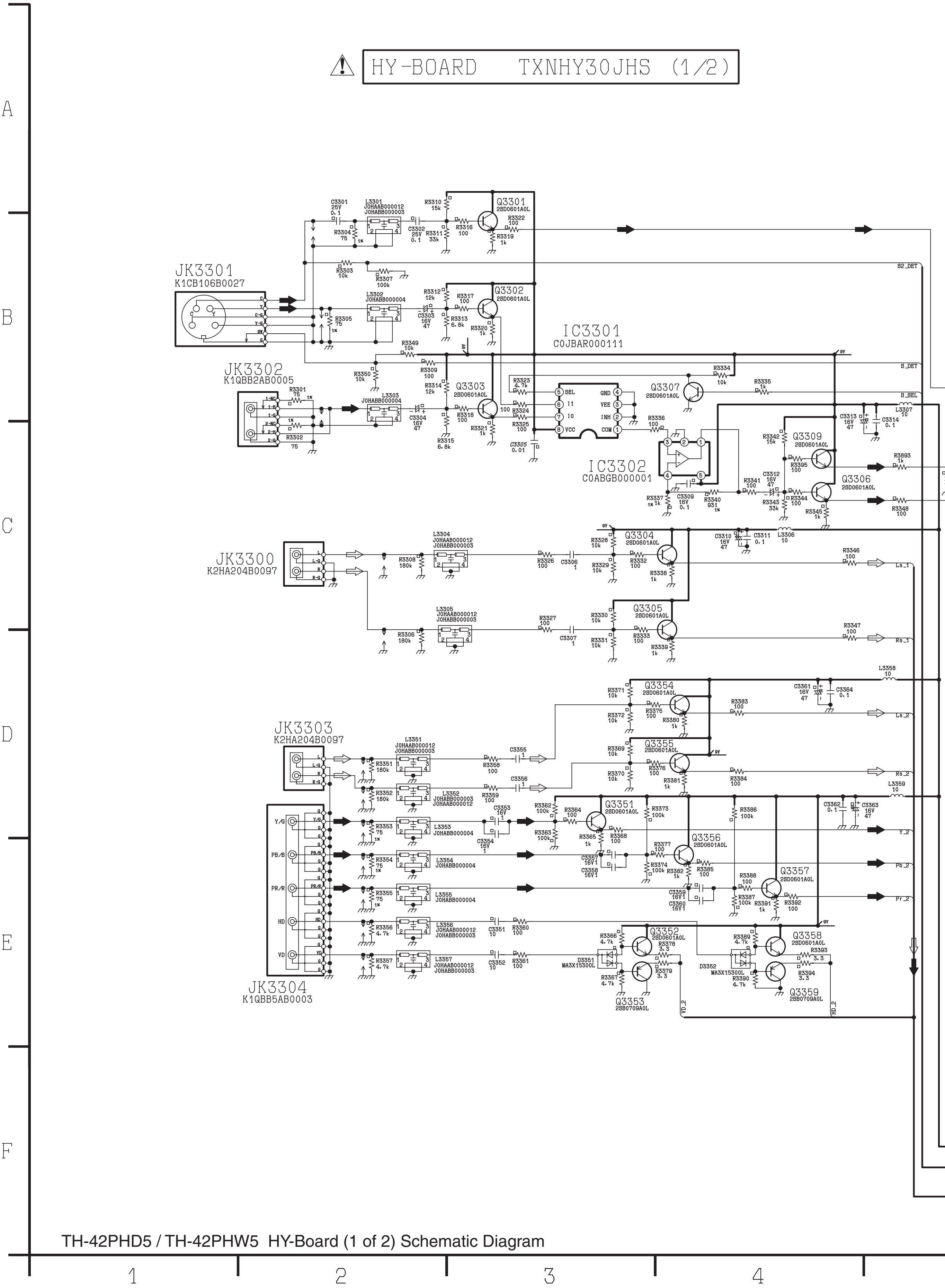

HY/HZ
BNC/RCA Terminal Board
Q3309
BUFFER
IC3501
DAC IIC EXPANDER
12 S-DET
Y-SEL 6
Q3307
4 S-SEL
SDA3
15 SDA
SCL3
14 SCL
HFP 9
S-VIDEO IN
C IN
Y IN
C
Y
VIDEO IN
VIDEO OUT
AV
Q3301
C AMP
Q3302
Y AMP
Q3303
V AMP
IC3301
V/Y SELECT
IC3302
V/Y AMP
Q3801, 3803
BUFFER
L. P. F.
Q3805
BUFFER
Q3306
BUFFER
Q3802, 3804
BUFFER
LC3805
L. P. F.
Q3806
BUFFER
Q3807, 3808
3809, 3810
BUFFER
L IN
AUDIO IN
R IN
Q3304
L AMP
Q3305
R AMP
TERMINAL BOARD INFORMATION
L IN
AUDIO IN
R IN
Pr/R IN
Y/G IN
Pb/B IN
HD IN
VD IN
COMPONENT /RGB
Q3354
L AMP
Q3355
R AMP
Q3357
Pr/R AMP
Q3351
Y/G AMP
Q3356
Pb/G AMP
Q3358, 3359
HD AMP
Q3352, 3353
VD AMP
A
B
C
D
E
1
2
3
4

TH-42PHD5 / TH-42PHW5 HY and HZ-Board Block Diagram

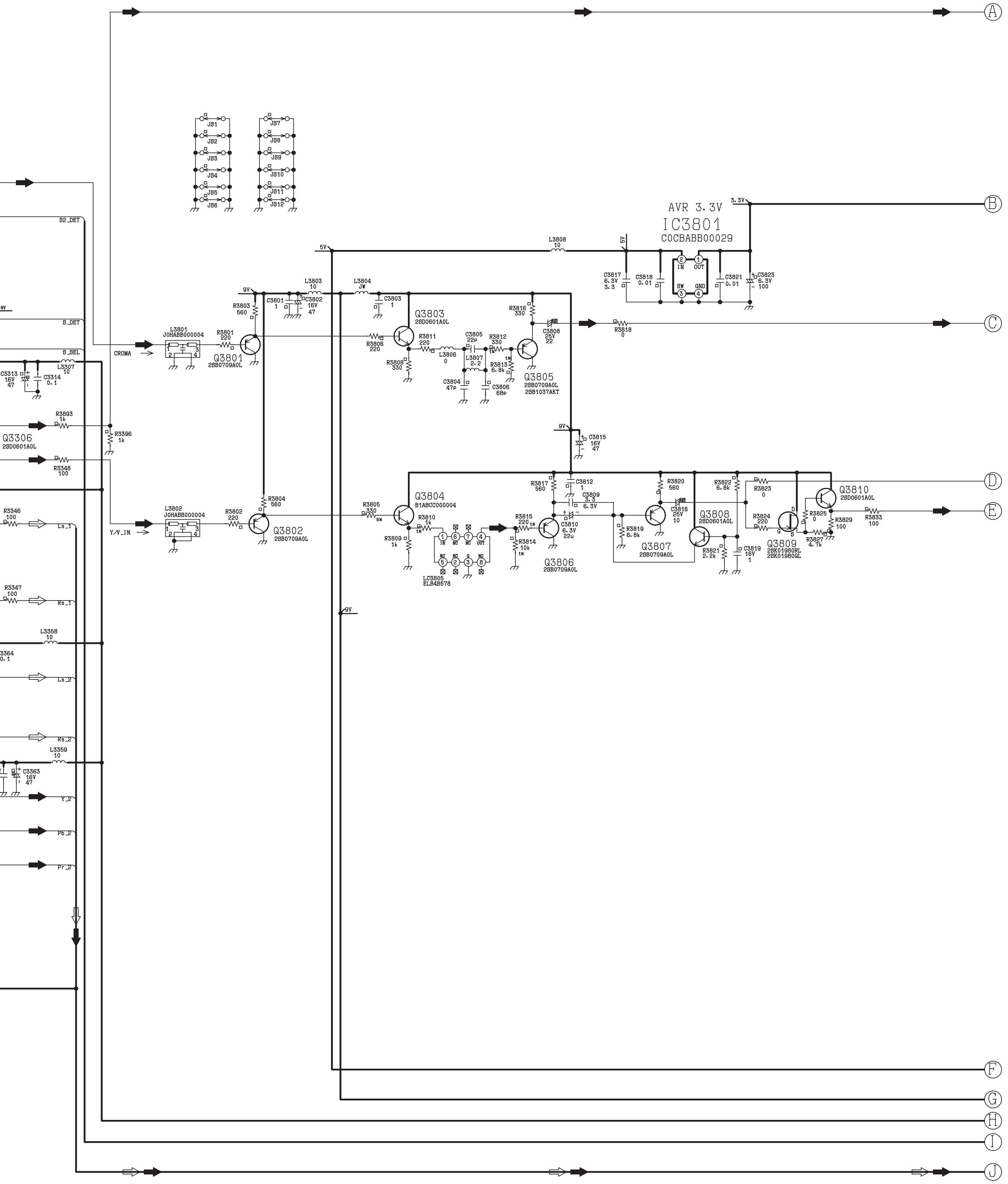

H1
FROM D1
A
B
9V
5V
3.3V
STB5V
1
2
5
6
9
10
13
14
9V
9V
5V
5V
3.3V
3.3V
STB5V
STB5V
IC3303
V/Y SELECT
5
6
7
1
Q3308
IC3803
FOR NTSC 3D COMB FILTER
16MB SDRAM
IC3802
RESET
4
55
IC3804
GC1
MEMORY CONTROLLOR
62
C
A/D
DIGITAL 3D COMB FILTER
COLOR SYSTEM DET
SYNC DET
SYNC SEPARATOR
Y Pb Pr OUT
PICTURE IMPROVER
D/A
SYNC PULSE GENERATOR V(50-120) H(15K-45K)
Y
205
Pb
200
Pr
195
HD
7
VD
156
Q3807,3808
3809,3810
BUFFER
84
V/Y
83
X3801
20.25MHz
94
96
VCO
PLL
PLL
SDA
SCL
89
90
184
161
91
H OUT FREE RUN
L:FREE RUN
H:LOCK
Q3817
BUFFER
Q3812
BUFFER
Q3813
BUFFER
Q3815
BUFFER
Q3502,3508
Pb AMP
Q3803,3509
Pr AMP
Q3501,3507
Y AMP
IC3809
SYNC,BUFFER
HD
6
14
VD
4
16
H2
TO D2
A
B
1
Y
3
Pb
5
Pr
6
HD
8
VD
AV
6
S2 DET
2
AUDIO L IN
4
AUDIO R IN
IC3699
EEPROM
TERMINAL BOARD INFORMATION
SCL
14
SDA
15
19
SCL3
20
SDA3
11
AUDIO L
13
AUDIO R
15
Pr/R
19
Y/G
17
Pb/B
7
HD
9
VD
COMPONENT /RGB
4
5
6
7

TH-42PHD5 / TH-42PHW5 HY and HZ-Board Block Diagram

14.9. HY-Board (1 of 2) Schematic Diagram


HY-BOARD TXNHY30JHS (1/2)
A
B
C
D
E
F
1
2
3
4
JK3301
K1CB106B0027
JK3302
K1QBB2AB0005
JK3300
K2HA204B0097
JK3303
K2HA204B0097
JK3304
K1QBB5AB0003
IC3301
C0JBAR000111
IC3302
C0ABGB000001
Q3301
Q3302
Q3303
Q3304
Q3305
Q3306
Q3307
Q3309
Q3351
Q3352
Q3353
Q3354
Q3355
Q3356
Q3357
Q3358
Q3359
2SD0601A0L
2SB0709A0L
L3301
L3302
L3303
L3304
L3305
L3306
L3307
L3351
L3352
L3353
L3354
L3355
L3356
L3357
L3358
L3359
J0HAAB000012
J0HABB000003
J0HABB000004
D3351
D3352
MA3X15300L
SEL
I1
I0
VCC
GND
VEE
INH
COM
9V
S2_DET
S_DET
S_SEL
Ls_1
Rs_1
Ls_2
Rs_2
Y_2
Pb_2
Pr_2
VD_2
HD_2
Y/G
PB/B
PR/R
HD
VD

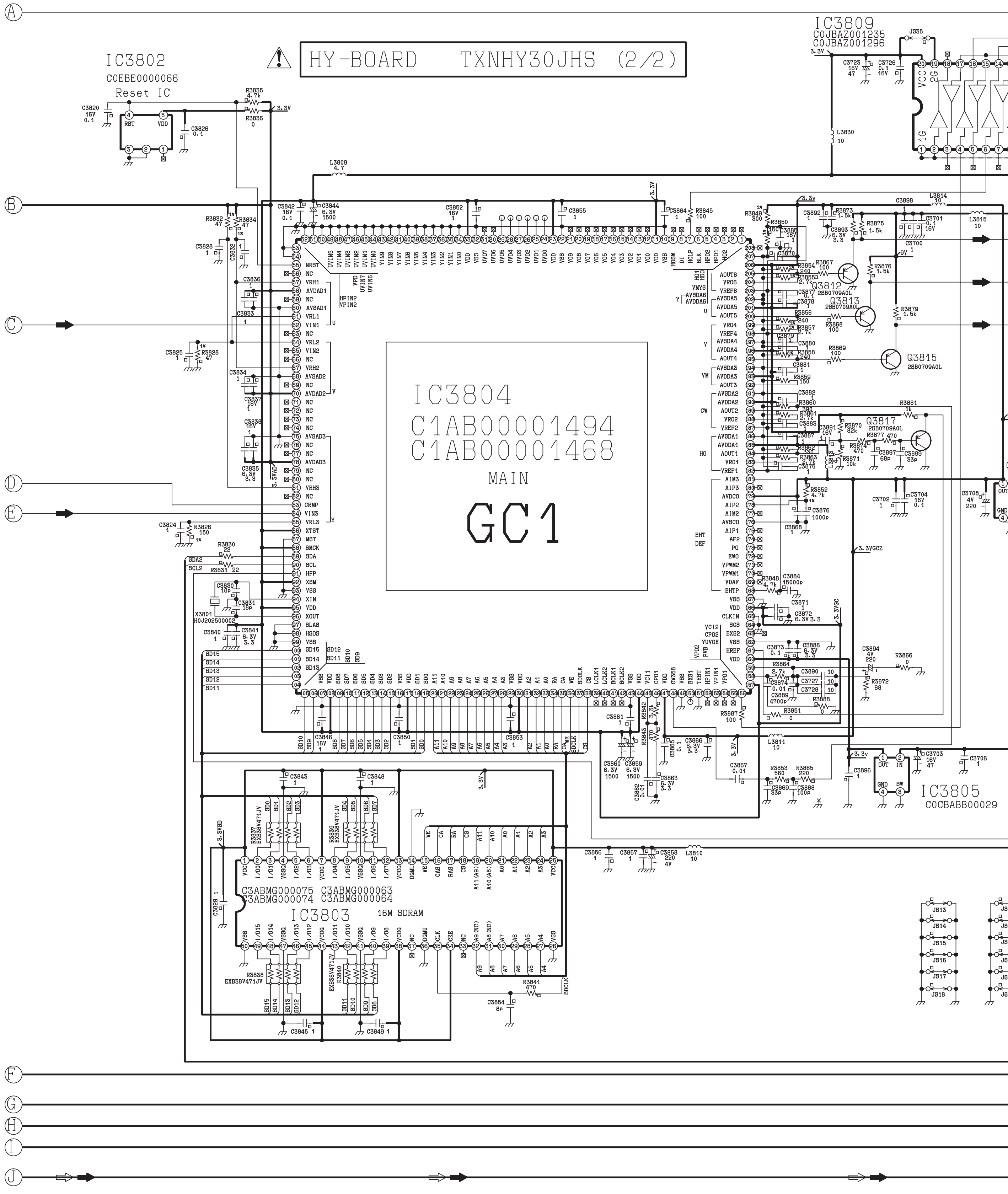
TH-42PHD5 / TH-42PHW5 HY-Board (1 of 2) Schematic Diagram


JS1
JS2
JS3
JS4
JS5
JS6
JS7
JS8
JS9
JS10
JS11
JS12
AVR 3.3V
IC3801
C0CBABB00029
3.3V
5V
L3808
10
5V
2 IN
1 OUT
3 SW
4 GND
C3817
6.3V
3.3
C3818
0.01
C3821
0.01
C3823
6.3V
100
S2_DET
9V
S_DET
S_SEL
L3307
10
C3313
16V
47
C3314
0.1
9V
R3803
560
C3801
1
C3802
16V
47
L3803
10
L3804
JW
C3803
1
Q3803
2SD0601A0L
R3816
330
C3808
25V
22
R3818
0
L3801
J0HABB000004
R3801
220
CROMA
Q3801
2SB0709A0L
R3806
220
R3808
330
R3811
220
L3806
0
C3805
22p
L3807
2.2
R3812
330
1%
R3813
6.8k
1%
C3804
47p
C3806
68p
Q3805
2SB0709A0L
2SB1037AKT
R3893
1k
Q3306
2SD0601A0L
R3396
1k
R3348
100
9V
C3815
16V
47
R3346
100
Ls_1
L3802
J0HABB000004
R3802
220
Y/V_IN
R3804
560
Q3802
2SB0709A0L
R3805
330
5%
Q3804
B1ABCC000004
R3809
1k
R3810
1k
1%
1 IN
6 NC
7 NC
4 OUT
5 NC
2 NC
3 G
8 NC
LC3805
ELB4B578
R3815
220
1%
R3814
10k
1%
Q3806
2SB0709A0L
R3817
560
C3812
1
C3809
3.3
6.3V
C3810
6.3V
22u
R3819
6.8k
R3820
560
C3816
25V
10
Q3807
2SB0709A0L
Q3808
2SD0601A0L
R3821
2.2k
C3819
16V
1
R3822
6.8k
R3823
0
R3824
220
Q3809
2SK01980RL
2SK01980QL
D
G
S
R3825
0
R3827
4.7k
Q3810
2SD0601A0L
R3829
100
R3833
100
R3347
100
Rs_1
L3358
10
3364
0.1
Ls_2
Rs_2
L3359
10
C3363
16V
47
Y_2
Pb_2
Pr_2
9V
A
B
C
D
E
F
G
H
I
J

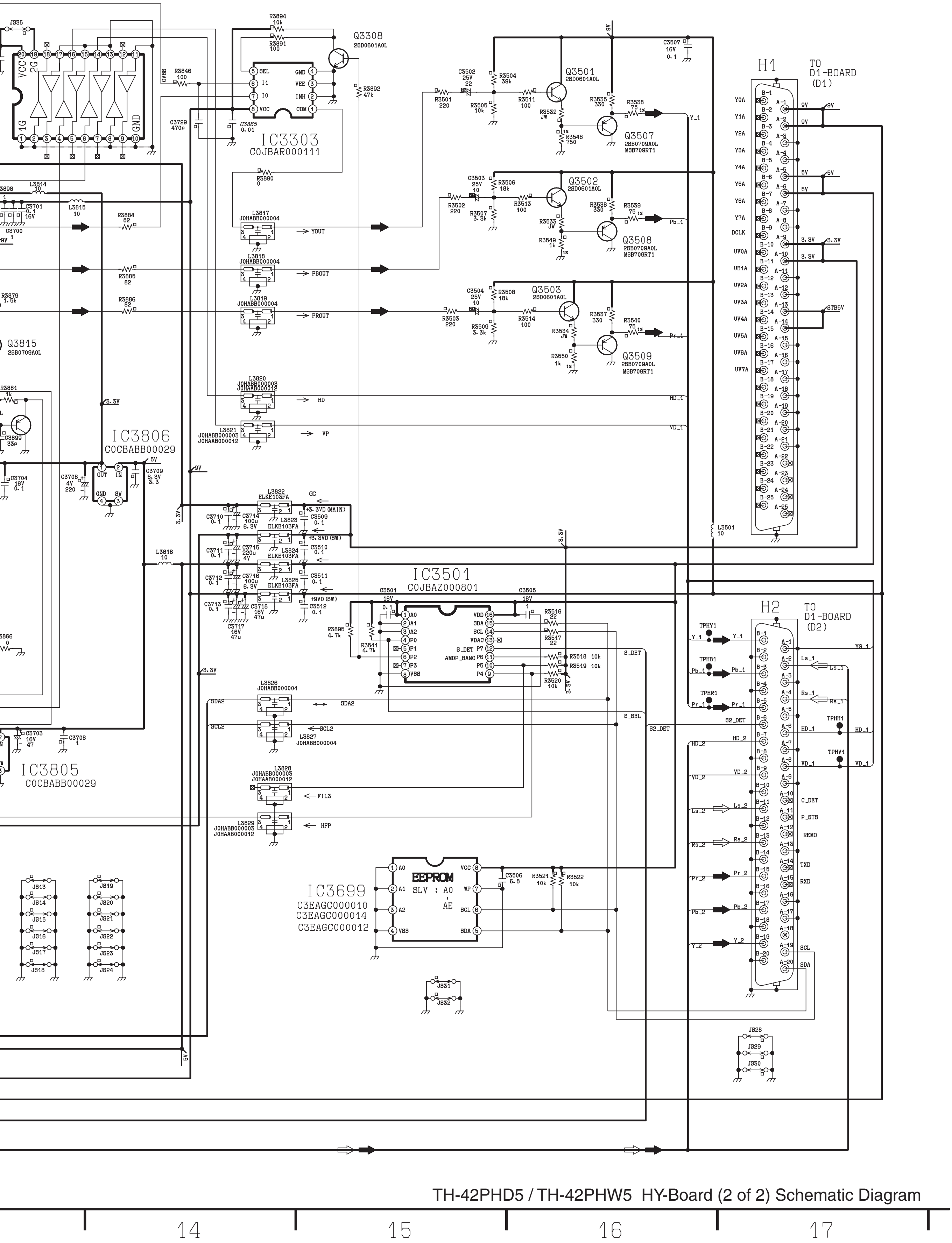
TH-42PHD5 / TH-42PHW5 HY-Board (1 of 2) Schematic Diagram

5 6 7 8 9

14.10. HY-Board (2 of 2) Schematic Diagram

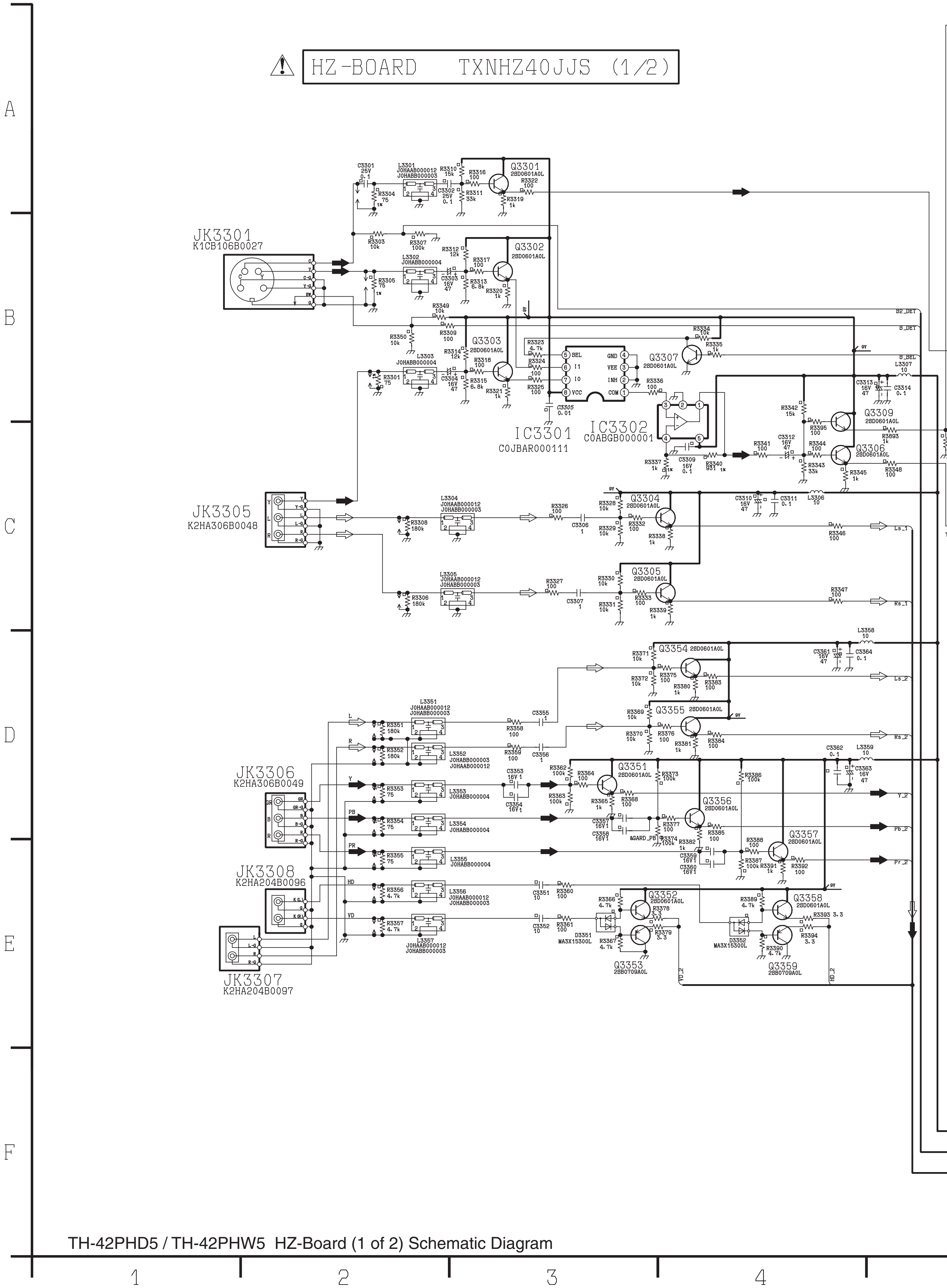

HY-BOARD TXNHY30JHS (2/2)
IC3802
C0EBE0000066
Reset IC
IC3809
C0JBAZ001235
C0JBAZ001296
IC3804
C1AB00001494
C1AB00001468
MAIN
GC1
IC3803
C3ABMG000075
C3ABMG000074
C3ABMG000063
C3ABMG000064
16M SDRAM
IC3805
C0CBABB00029
Q3812
Q3813
Q3815
Q3817
2SB0709A0L
A
B
C
D
E
F
G
H
I
J
9
10
11
12
13

TH-42PHD5 / TH-42PHW5 HY-Board (2 of 2) Schematic Diagram


Q3308
2SD0601A0L
IC3303
C0JBAR000111
IC3806
C0CBABB00029
IC3805
C0CBABB00029
Q3815
2SB0709A0L
Q3501
2SD0601A0L
Q3502
2SD0601A0L
Q3503
2SD0601A0L
Q3507
2SB0709A0L
MSB709RT1
Q3508
2SB0709A0L
MSB709RT1
Q3509
2SB0709A0L
MSB709RT1
IC3501
C0JBAZ000801
IC3699
C3EAGC000010
C3EAGC000014
C3EAGC000012
EEPROM
SLV : A0
AE
H1
TO
D1-BOARD
(D1)
H2
TO
D1-BOARD
(D2)
YOUT
PBOUT
PROUT
HD
VP
Y_1
Pb_1
Pr_1
HD_1
VD_1
Y_2
Pb_2
Pr_2
HD_2
VD_2
Ls_1
Rs_1
Ls_2
Rs_2
S_DET
S_SEL
S2_DET
SDA2
SCL2
FIL3
HFP
GC
+3.3VD (MAIN)
+3.3VD (SW)
+9VD (SW)
YG_1
C_DET
P_STB
REMO
TXD
RXD
SCL
SDA
9V
5V
3.3V
STB5V
14
15
16
17

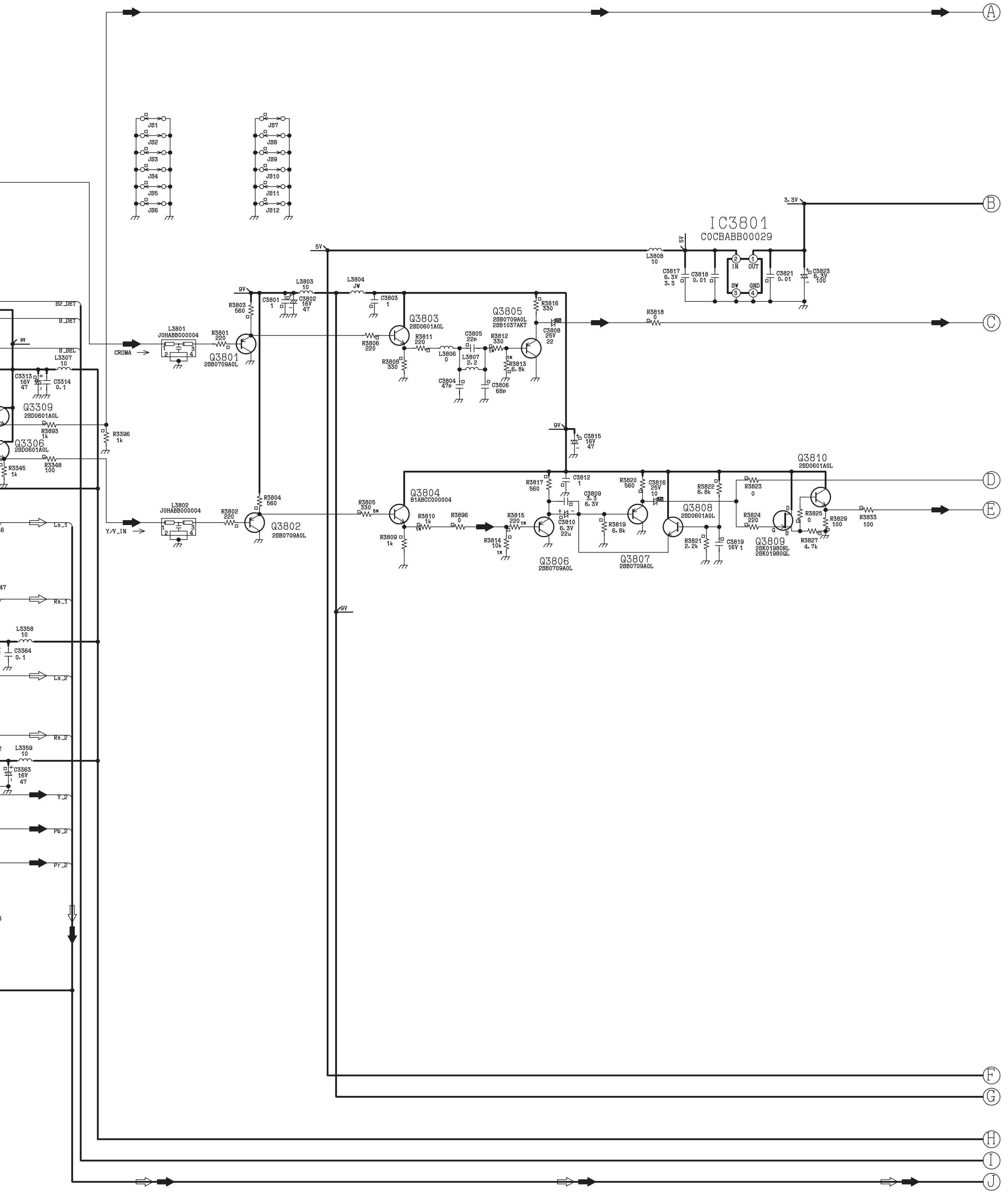
TH-42PHD5 / TH-42PHW5 HY-Board (2 of 2) Schematic Diagram

14.11. HZ-Board (1 of 2) Schematic Diagram



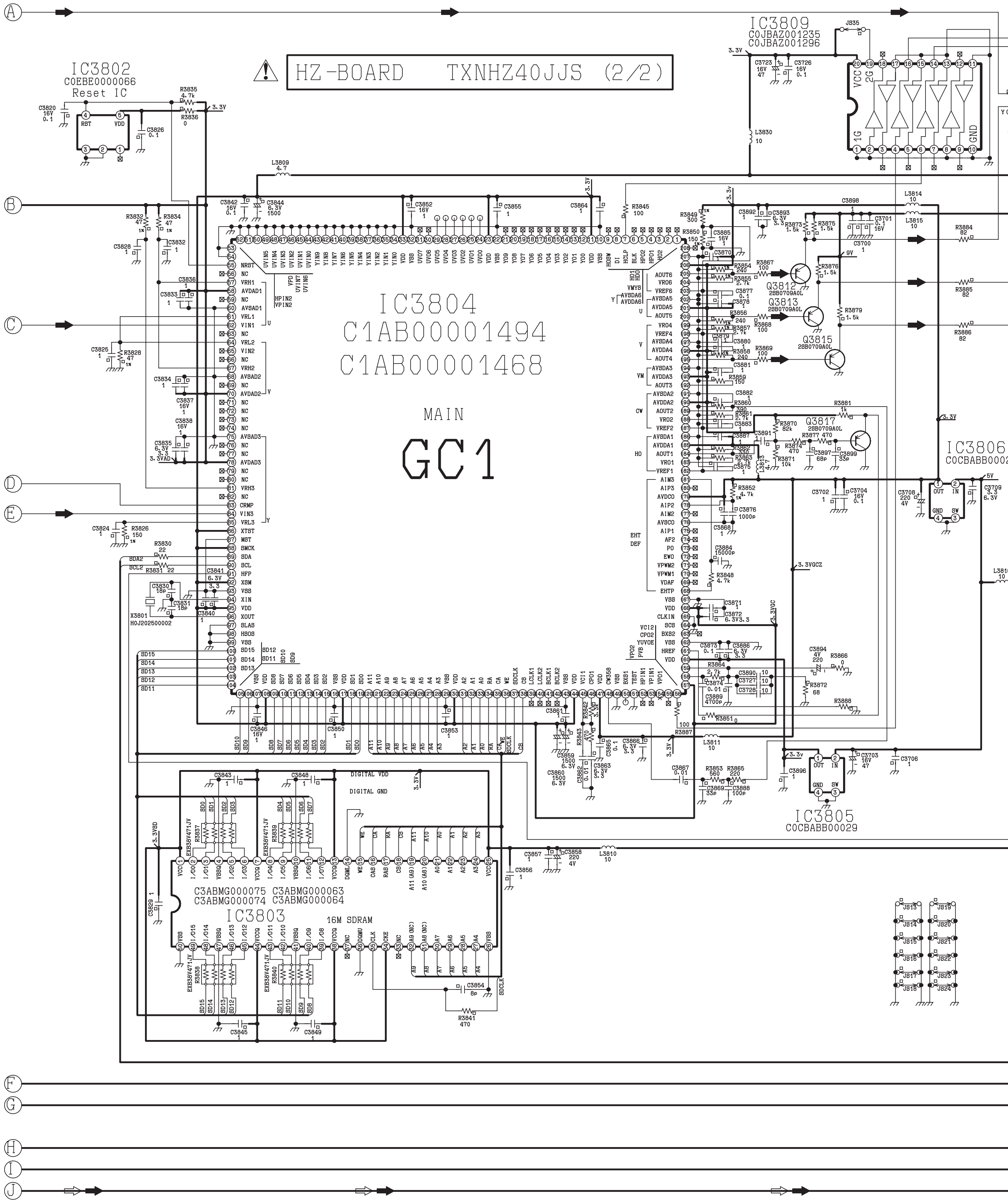
HZ-BOARD TXNHZ40JJS (1/2)
A
B
C
D
E
F
1
2
3
4
JK3301
K1CB106B0027
JK3305
K2HA306B0048
JK3306
K2HA306B0049
JK3308
K2HA204B0096
JK3307
K2HA204B0097
Q3301
Q3302
Q3303
Q3304
Q3305
Q3306
Q3307
Q3309
Q3351
Q3352
Q3353
Q3354
Q3355
Q3356
Q3357
Q3358
Q3359
2SD0601A0L
2SB0709A0L
IC3301
C0JBAR000111
IC3302
C0ABGB000001
SEL
I1
I0
VCC
GND
VEE
INH
COM
D3351
D3352
MA3X15300L
L3301
L3302
L3303
L3304
L3305
L3306
L3307
L3351
L3352
L3353
L3354
L3355
L3356
L3357
L3358
L3359
J0HAAB000012
J0HABB000003
J0HABB000004
S2_DET
S_DET
S_SEL
Ls_1
Rs_1
Ls_2
Rs_2
Y_2
Pb_2
Pr_2
VD_2
HD_2
9V
L
R
Y
PB
PR
HD
VD
&GARD_PB

TH-42PHD5 / TH-42PHW5 HZ-Board (1 of 2) Schematic Diagram


A
B
C
D
E
F
G
H
I
J
JS1
JS2
JS3
JS4
JS5
JS6
JS7
JS8
JS9
JS10
JS11
JS12
IC3801
C0CBABB00029
3.3V
5V
IN
OUT
SW
GND
L3808 10
C3817 6.3V 3.3
C3818 0.01
C3821 0.01
C3823 6.3V 100
R3818 0
9V
L3803 10
L3804 JW
C3801 1
C3802 16V 47
C3803 1
R3803 560
Q3803 2SD0601A0L
Q3805 2SB0709A0L 2SB1037AKT
R3816 330
C3808 25V 22
R3806 220
R3811 220
L3806 0
C3805 22p
L3807 2.2
R3812 330
R3813 6.8k
R3808 330
C3804 47p
C3806 68p
L3801 J0HABB000004
R3801 220
Q3801 2SB0709A0L
CROMA
S2_DET
S_DET
S_SEL
L3307 10
C3313 16V 47
C3314 0.1
Q3309 2SD0601A0L
R3893 1k
R3396 1k
Q3306 2SD0601A0L
R3345 1k
R3348 100
C3815 16V 47
Q3810 2SD0601A0L
R3817 560
C3812 1
R3820 560
C3816 25V 10
R3822 6.8k
R3823 0
C3809 3.3 6.3V
R3804 560
L3802 J0HABB000004
R3802 220
Q3802 2SB0709A0L
Y/V_IN
R3805 330
Q3804 B1ABCC000004
R3810 1k
R3896 0
R3815 220
C3810 6.3V 22u
R3819 6.8k
Q3808 2SD0601A0L
R3824 220
R3825 0
R3829 100
R3833 100
R3809 1k
R3814 10k
Q3806 2SB0709A0L
Q3807 2SB0709A0L
R3821 2.2k
C3819 16V 1
Q3809 2SK01980RL 2SK01980QL
R3827 4.7k
D
G
S
Ls_1
Rs_1
L3358 10
C3364 0.1
Ls_2
Rs_2
L3359 10
C3363 16V 47
Y_2
Pb_2
Pr_2
5
6
7
8
9

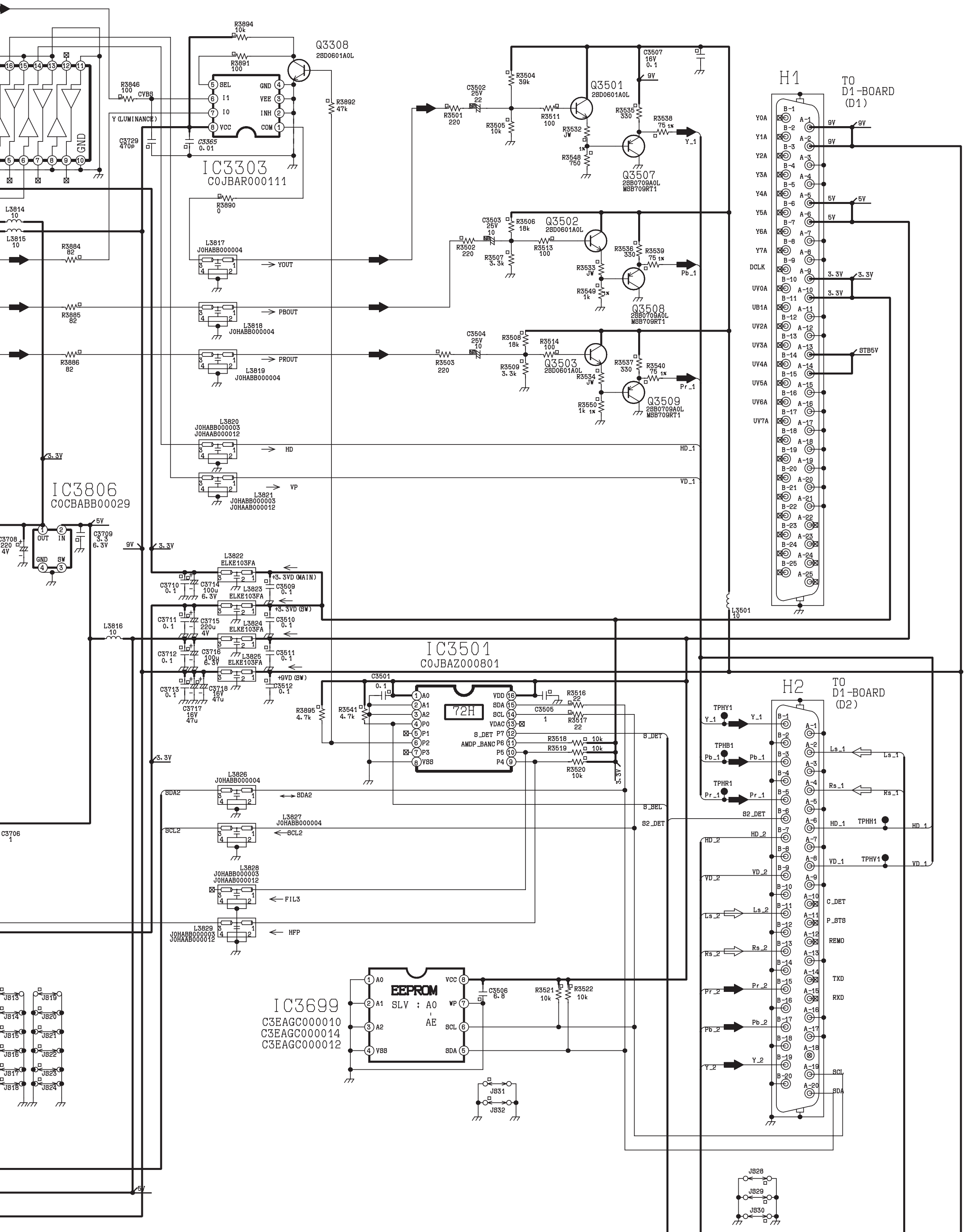
TH-42PHD5 / TH-42PHW5 HZ-Board (1 of 2) Schematic Diagram

14.12. HZ-Board (2 of 2) Schematic Diagram


HZ-BOARD TXNHZ40JJS (2/2)
IC3802
C0EBE0000066
Reset IC
IC3809
C0JBAZ001235
C0JBAZ001296
IC3804
C1AB00001494
C1AB00001468
MAIN
GC1
IC3806
C0CBABB0002
IC3805
C0CBABB00029
IC3803
C3ABMG000075 C3ABMG000063
C3ABMG000074 C3ABMG000064
16M SDRAM
DIGITAL VDD
DIGITAL GND
Q3812
Q3813
Q3815
Q3817
2SB0709A0L
X3801
H0J202500002
A
B
C
D
E
F
G
H
I
J

TH-42PHD5 / TH-42PHW5 HZ-Board (2 of 2) Schematic Diagram

9 10 11 12 13

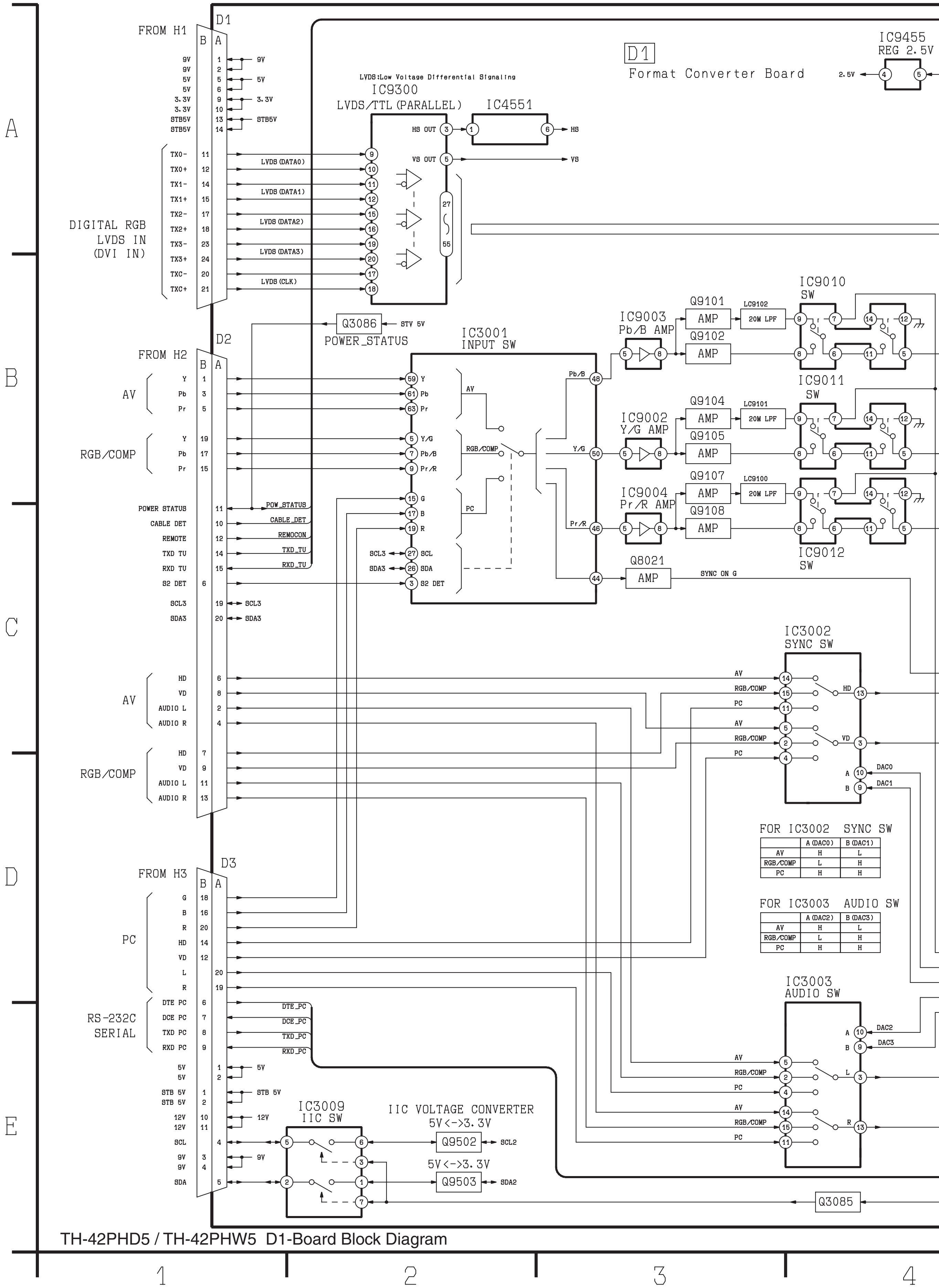


IC3303
C0JBAR000111
Q3308
2SD0601A0L
IC3806
C0CBABB00029
IC3501
C0JBAZ000801
72H
IC3699
EEPROM
SLV : A0
AE
C3EAGC000010
C3EAGC000014
C3EAGC000012
Q3501
2SD0601A0L
Q3502
2SD0601A0L
Q3503
2SD0601A0L
Q3507
2SB0709A0L
MSB709RT1
Q3508
2SB0709A0L
MSB709RT1
Q3509
2SB0709A0L
MSB709RT1
H1
TO
D1-BOARD
(D1)
H2
TO
D1-BOARD
(D2)
Y (LUMINANCE)
CVBS
YOUT
PBOUT
PROUT
HD
VP
SDA2
SCL2
FIL3
HFP
+3.3VD (MAIN)
+3.3VD (SW)
+9VD (SW)
Y_1
Pb_1
Pr_1
HD_1
VD_1
S_DET
S_SEL
S2_DET
Ls_1
Rs_1
TPHY1
TPHB1
TPHR1
TPHH1
HD_2
VD_2
Ls_2
Rs_2
Pr_2
Pb_2
Y_2
C_DET
P_STS
REMO
TXD
RXD
SCL
SDA
STB5V
9V
5V
3.3V

TH-42PHD5 / TH-42PHW5 HZ-Board (2 of 2) Schematic Diagram

14 15 16 17

14.13. D1-Board Block Diagram


A
B
C
D
E
1
2
3
4
D1
FROM H1
9V
5V
3.3V
STB5V
DIGITAL RGB
LVDS IN
(DVI IN)
TX0-
TX0+
TX1-
TX1+
TX2-
TX2+
TX3-
TX3+
TXC-
TXC+
LVDS:Low Voltage Differential Signaling
IC9300
LVDS/TTL (PARALLEL)
LVDS (DATA0)
LVDS (DATA1)
LVDS (DATA2)
LVDS (DATA3)
LVDS (CLK)
HS OUT
VS OUT
IC4551
HS
VS
D1
Format Converter Board
IC9455
REG 2.5V
2.5V
Q3086
STV 5V
POWER_STATUS
D2
FROM H2
AV
Y
Pb
Pr
RGB/COMP
POWER STATUS
CABLE DET
REMOTE
TXD TU
RXD TU
S2 DET
SCL3
SDA3
POW_STATUS
CABLE_DET
REMOCON
TXD_TU
RXD_TU
IC3001
INPUT SW
Y
Pb
Pr
Y/G
Pb/B
Pr/R
G
B
R
SCL
SDA
S2 DET
AV
RGB/COMP
PC
IC9003
Pb/B AMP
IC9002
Y/G AMP
IC9004
Pr/R AMP
Q9101
AMP
Q9102
AMP
Q9104
AMP
Q9105
AMP
Q9107
AMP
Q9108
AMP
LC9102
LC9101
LC9100
20M LPF
IC9010
SW
IC9011
SW
IC9012
SW
Q8021
AMP
SYNC ON G
HD
VD
AUDIO L
AUDIO R
IC3002
SYNC SW
DAC0
DAC1
FOR IC3002 SYNC SW
FOR IC3003 AUDIO SW
D3
FROM H3
PC
G
B
R
HD
VD
L
R
RS-232C
SERIAL
DTE PC
DCE PC
TXD PC
RXD PC
DTE_PC
DCE_PC
TXD_PC
RXD_PC
5V
STB 5V
12V
SCL
9V
SDA
IC3003
AUDIO SW
DAC2
DAC3
IC3009
IIC SW
IIC VOLTAGE CONVERTER
5V<->3.3V
Q9502
SCL2
Q9503
SDA2
Q3085

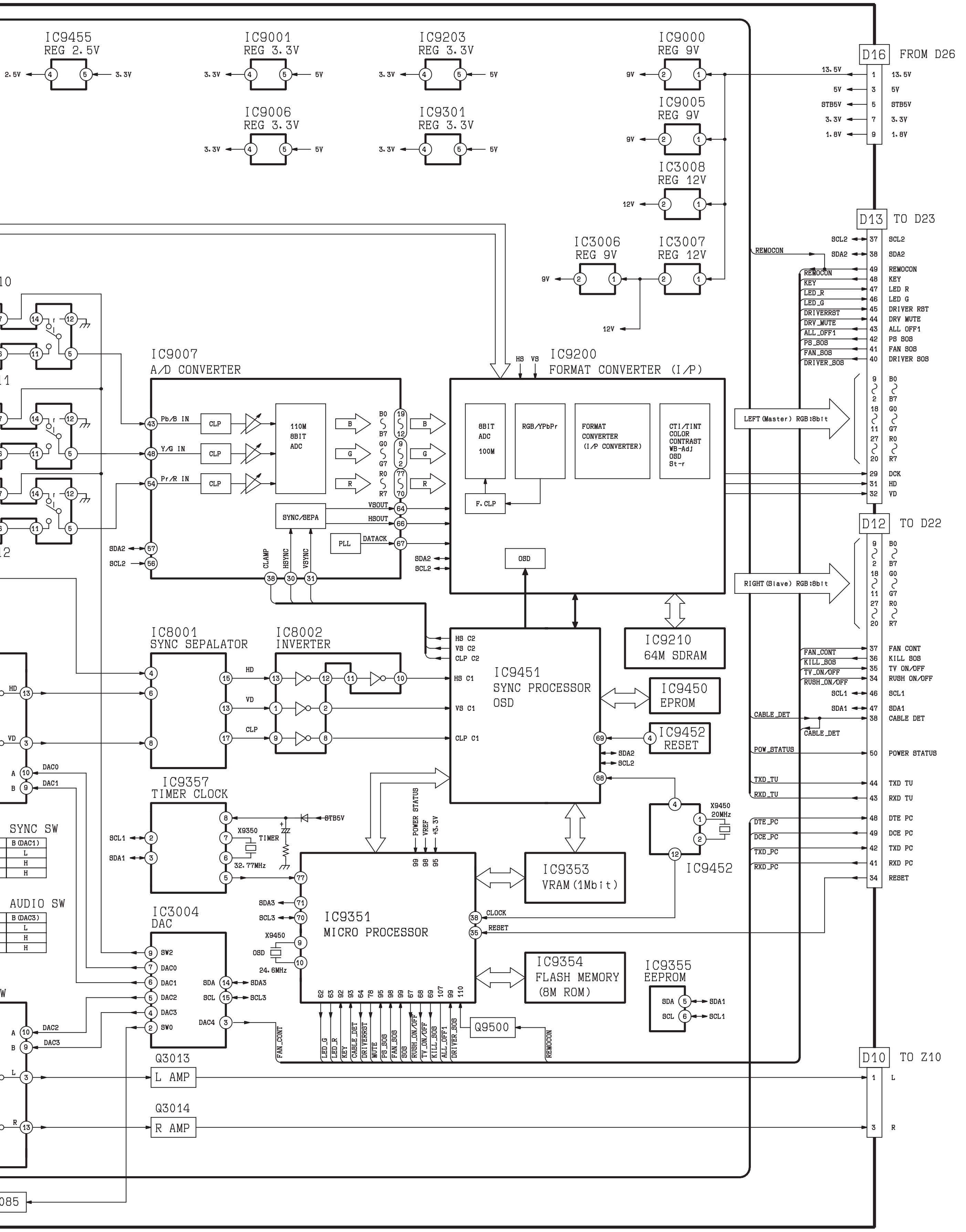
FOR IC3002 SYNC SW

	A (DAC0)	B (DAC1)
AV	H	L
RGB/COMP	L	H
PC	H	H

FOR IC3003 AUDIO SW

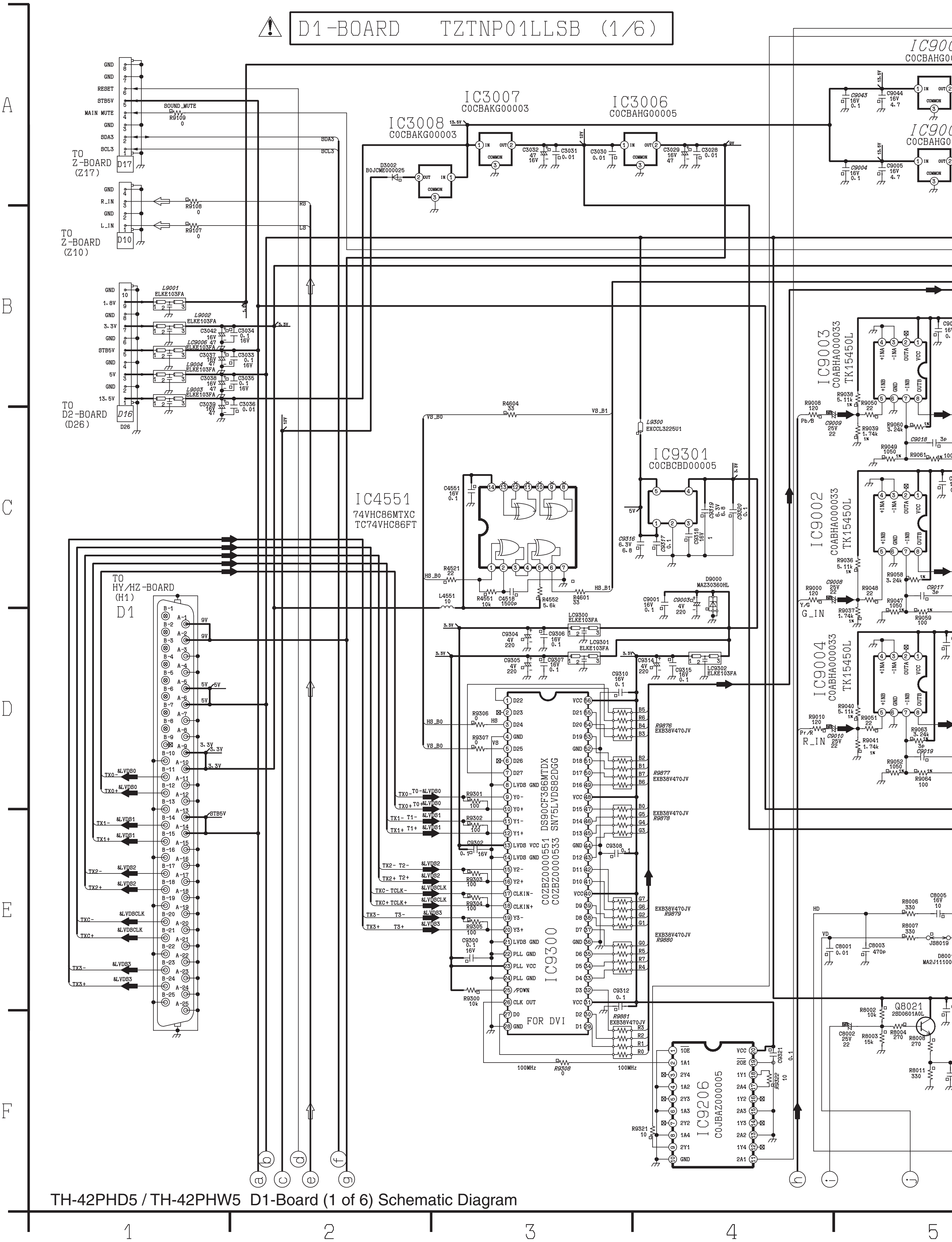
	A (DAC2)	B (DAC3)
AV	H	L
RGB/COMP	L	H
PC	H	H

TH-42PHD5 / TH-42PHW5 D1-Board Block Diagram

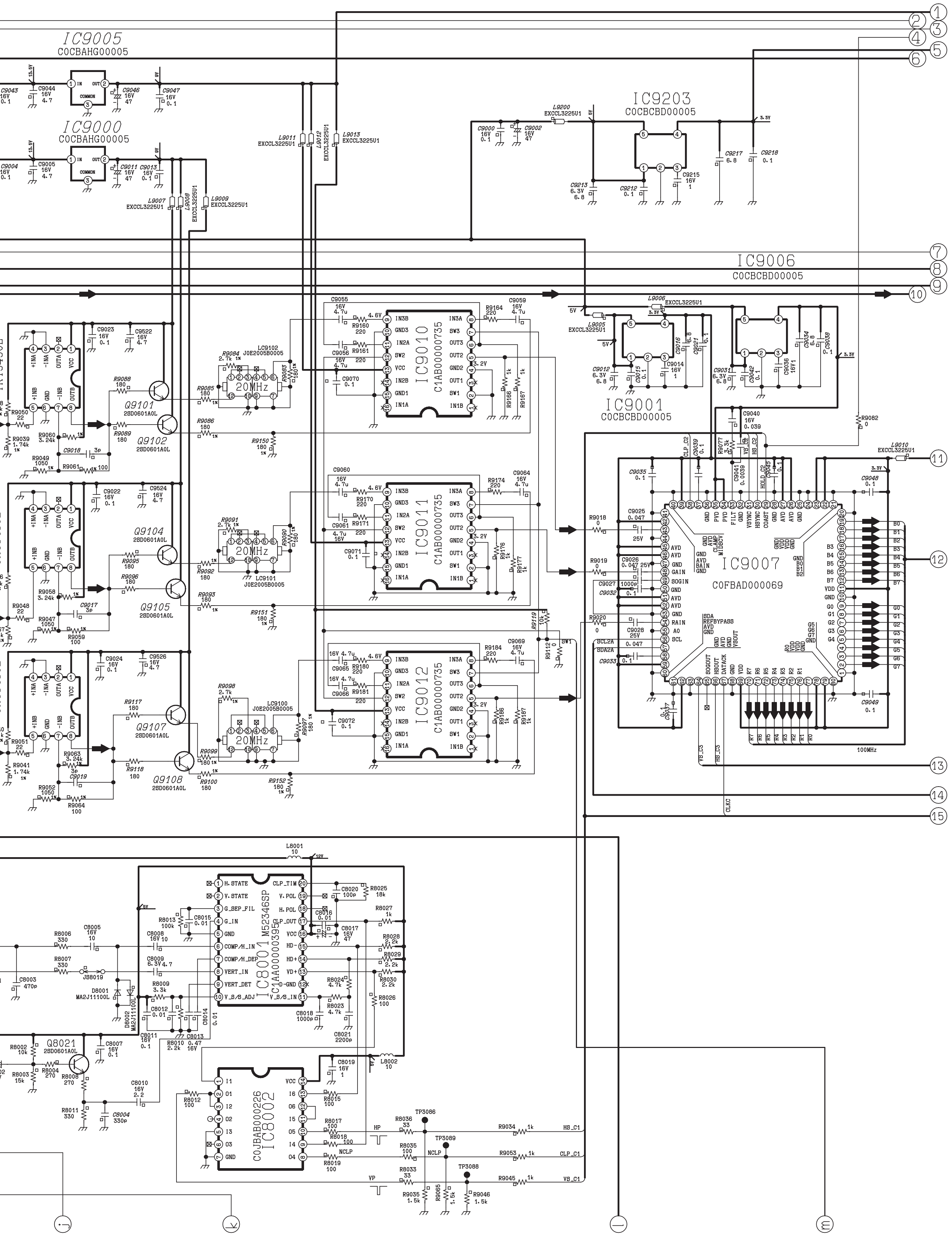

IC9455 REG 2.5V
IC9001 REG 3.3V
IC9203 REG 3.3V
IC9000 REG 9V
IC9006 REG 3.3V
IC9301 REG 3.3V
IC9005 REG 9V
IC3008 REG 12V
IC3006 REG 9V
IC3007 REG 12V
D16 FROM D26
13.5V
5V
STB5V
3.3V
1.8V
D13 TO D23
SCL2
SDA2
REMOCON
KEY
LED R
LED G
DRIVER RST
DRV MUTE
ALL OFF1
PS SOS
FAN SOS
DRIVER SOS
B0
B7
G0
G7
R0
R7
DCK
HD
VD
IC9007 A/D CONVERTER
Pb/B IN
Y/G IN
Pr/R IN
CLP
110M 8BIT ADC
SYNC/SEPA
PLL
VSOUT
HSOUT
DATACK
CLAMP
HSYNC
VSYNC
IC9200 FORMAT CONVERTER (I/P)
HS
VS
8BIT ADC 100M
RGB/YPbPr
FORMAT CONVERTER (I/P CONVERTER)
CTI/TINT COLOR CONTRAST WB-Adj OSD St-r
F.CLP
OSD
LEFT (Master) RGB:8bit
RIGHT (Slave) RGB:8bit
D12 TO D22
IC9210 64M SDRAM
IC8001 SYNC SEPALATOR
IC8002 INVERTER
IC9451 SYNC PROCESSOR OSD
HS C2
VS C2
CLP C2
HS C1
VS C1
CLP C1
IC9450 EPROM
IC9452 RESET
FAN CONT
KILL SOS
TV ON/OFF
RUSH ON/OFF
SCL1
SDA1
CABLE DET
POWER STATUS
TXD TU
RXD TU
DTE PC
DCE PC
TXD PC
RXD PC
RESET
X9450 20MHz
IC9357 TIMER CLOCK
X9350 TIMER 32.77MHz
STB5V
SYNC SW
AUDIO SW
IC9353 VRAM (1Mbit)
IC9351 MICRO PROCESSOR
POWER STATUS
VREF
+3.3V
SDA3
SCL3
X9450 OSD 24.6MHz
CLOCK
IC3004 DAC
SW2
DAC0
DAC1
DAC2
DAC3
SW0
DAC4
IC9354 FLASH MEMORY (8M ROM)
IC9355 EEPROM
Q9500
FAN_CONT
LED_G
LED_R
KEY
CABLE_DET
DRIVERRST
MUTE
PS_SOS
FAN_SOS
SOS
RUSH_ON/OFF
TV_ON/OFF
KILL_SOS
ALL_OFF1
DRIVER_SOS
REMOCON
Q3013 L AMP
Q3014 R AMP
D10 TO Z10
L
R
4
5
6
7

TH-42PHD5 / TH-42PHW5 D1-Board Block Diagram

14.14. D1-Board (1 of 6) Schematic Diagram

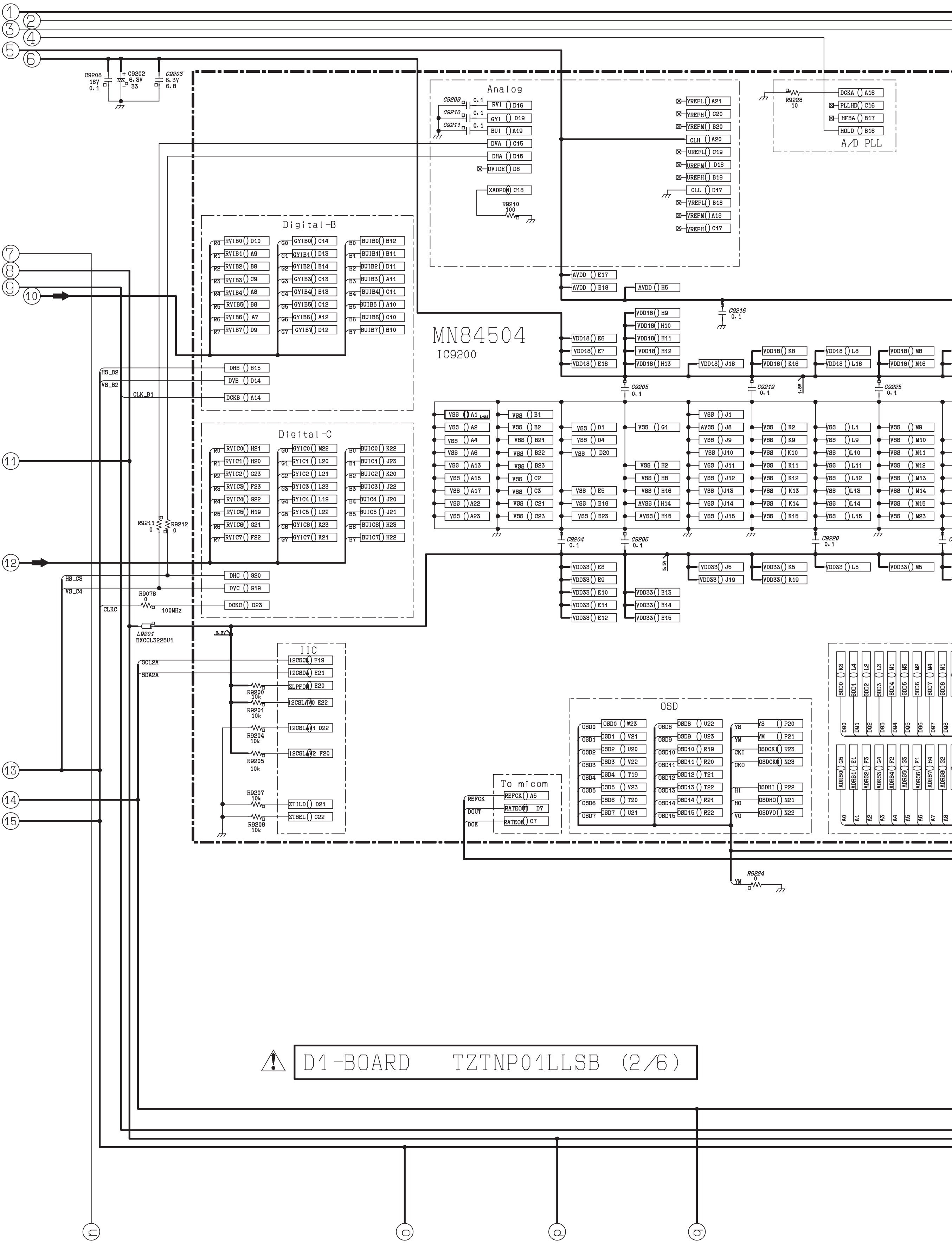

D1-BOARD TZTNP01LLSB (1/6)
A
B
C
D
E
F
1
2
3
4
5
TO Z-BOARD (Z17)
D17
GND
RESET
STB5V
MAIN MUTE
SDA3
SCL3
SOUND_MUTE
R9109 0
TO Z-BOARD (Z10)
D10
R_IN
L_IN
R9108 0
R9107 0
RS
LS
TO D2-BOARD (D26)
D16
D26
1.8V
3.3V
5V
13.5V
L9001 ELKE103FA
L9002 ELKE103FA
L9006 ELKE103FA
L9004 ELKE103FA
L9003 ELKE103FA
C3042
C3034
C3037
C3033
C3038
C3035
C3039
C3036
IC3008 C0CBAKG00003
IC3007 C0CBAKG00003
IC3006 C0CBAHG00005
D3002 B0JCME000025
C3032
C3031
C3030
C3029
C3028
IC9003 C0ABHA000033 TK15450L
IC9002 C0ABHA000033 TK15450L
IC9004 C0ABHA000033 TK15450L
C9043
C9044
C9004
C9005
Pb/B
Y/G
G_IN
Pr/R
R_IN
R4604 33
VS_B0
VS_B1
L9300 EXCCL3225U1
IC9301 C0CBCBD00005
C9316
C9317
C9318
C9319
C9320
IC4551 74VHC86MTXC TC74VHC86FT
C4551
R4521 22
HS_B0
HS_B1
L4551 10
R4551 10k
C4518 1500p
R4552 5.6k
R4601 33
D9000 MA2S0360HL
C9001
C9003
LC9300 ELKE103FA
LC9301 ELKE103FA
LC9302 ELKE103FA
C9304
C9306
C9305
C9307
C9314
C9315
C9310
TO HY/HZ-BOARD (H1)
D1
TX0-
TX0+
TX1-
TX1+
TX2-
TX2+
TXC-
TXC+
TX3-
TX3+
&LVDS0
&LVDS1
&LVDS2
&LVDSCLK
&LVDS3
IC9300 C0ZBZ0000551 DS90CF386MTDX C0ZBZ0000533 SN75LVDS82DGG FOR DVI
R9306
R9307
R9301
R9302
R9303
R9304
R9305
R9300 10k
C9300
C9302
C9308
C9312
R9876 EXB38V470JV
R9877 EXB38V470JV
R9878 EXB38V470JV
R9879 EXB38V470JV
R9880 EXB38V470JV
R9881 EXB38V470JV
R9308 0
100MHz
IC9206 C0JBAZ000005
R9321 10
R9322 10
C9321 0.1
Q8021 2SD0601A0L
D8001 MA2J111
J8019
C8001
C8003
C8005
C8002
R8006
R8007
R8002
R8003
R8004
R8008
R8011
HD
VD
a
b
c
d
e
f
g
h
i
j

TH-42PHD5 / TH-42PHW5 D1-Board (1 of 6) Schematic Diagram


IC9005
C0CBAHG00005
IC9000
C0CBAHG00005
IC9203
C0CBCBD00005
IC9006
C0CBCBD00005
IC9001
C0CBCBD00005
IC9010
C1AB00000735
IC9011
C1AB00000735
IC9012
C1AB00000735
IC9007
C0FBAD000069
IC8001
C1AA00000395
M52346SP
IC8002
C0JBAB000226
Q9101
Q9102
Q9104
Q9105
Q9107
Q9108
2SD0601A0L
Q8021
2SD0601A0L
20MHz
LC9100
LC9101
LC9102
J0E2005B0005
EXCCL3225U1
100MHz
TP3086
TP3088
TP3089
HS_C1
CLP_C1
VS_C1
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮
5
6
7
8
9

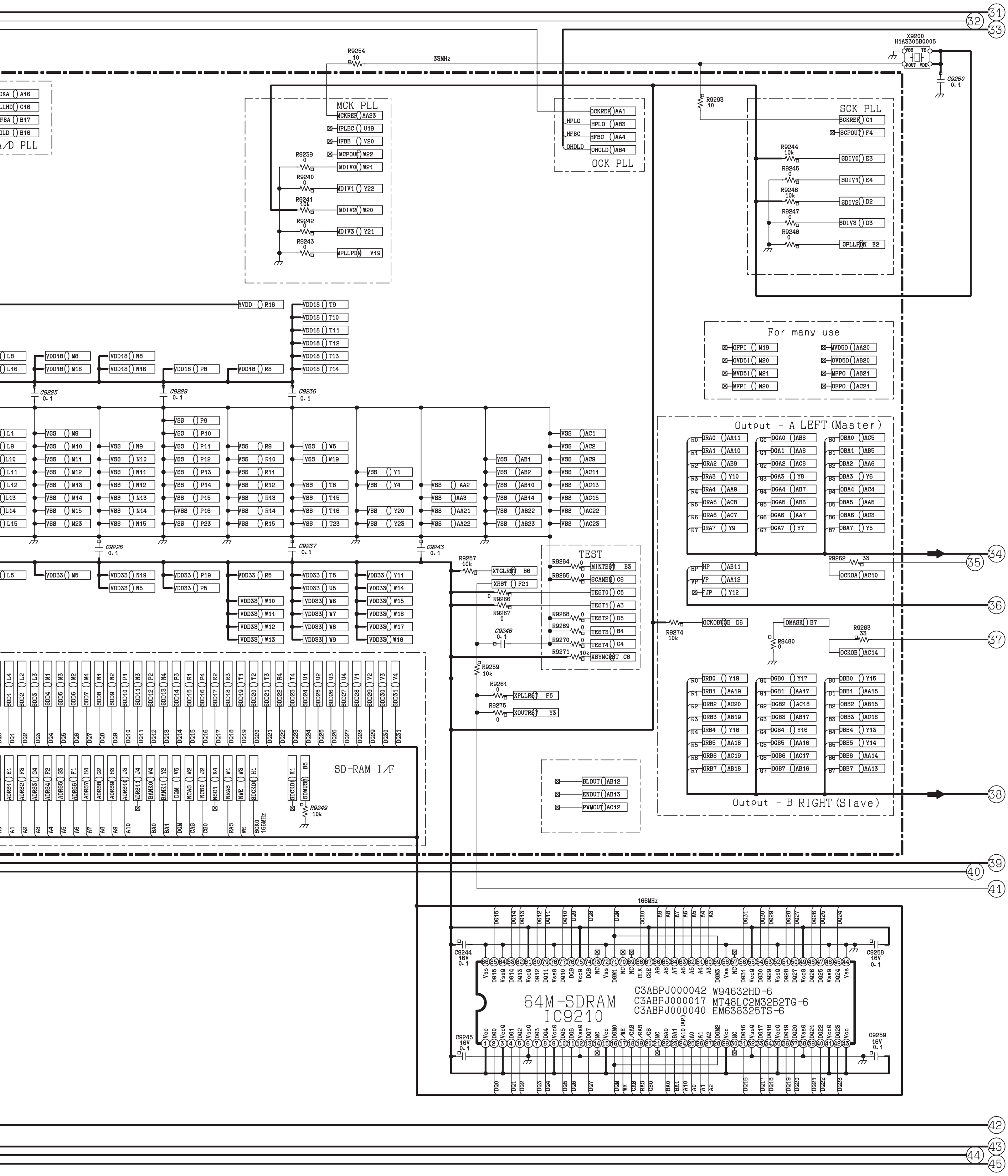
TH-42PHD5 / TH-42PHW5 D1-Board (1 of 6) Schematic Diagram

14.15. D1-Board (2 of 6) Schematic Diagram


Analog
A/D PLL
Digital-B
Digital-C
MN84504
IC9200
IIC
OSD
To micom
D1-BOARD TZTNP01LLSB (2/6)

TH-42PHD5 / TH-42PHW5 D1-Board (2 of 6) Schematic Diagram

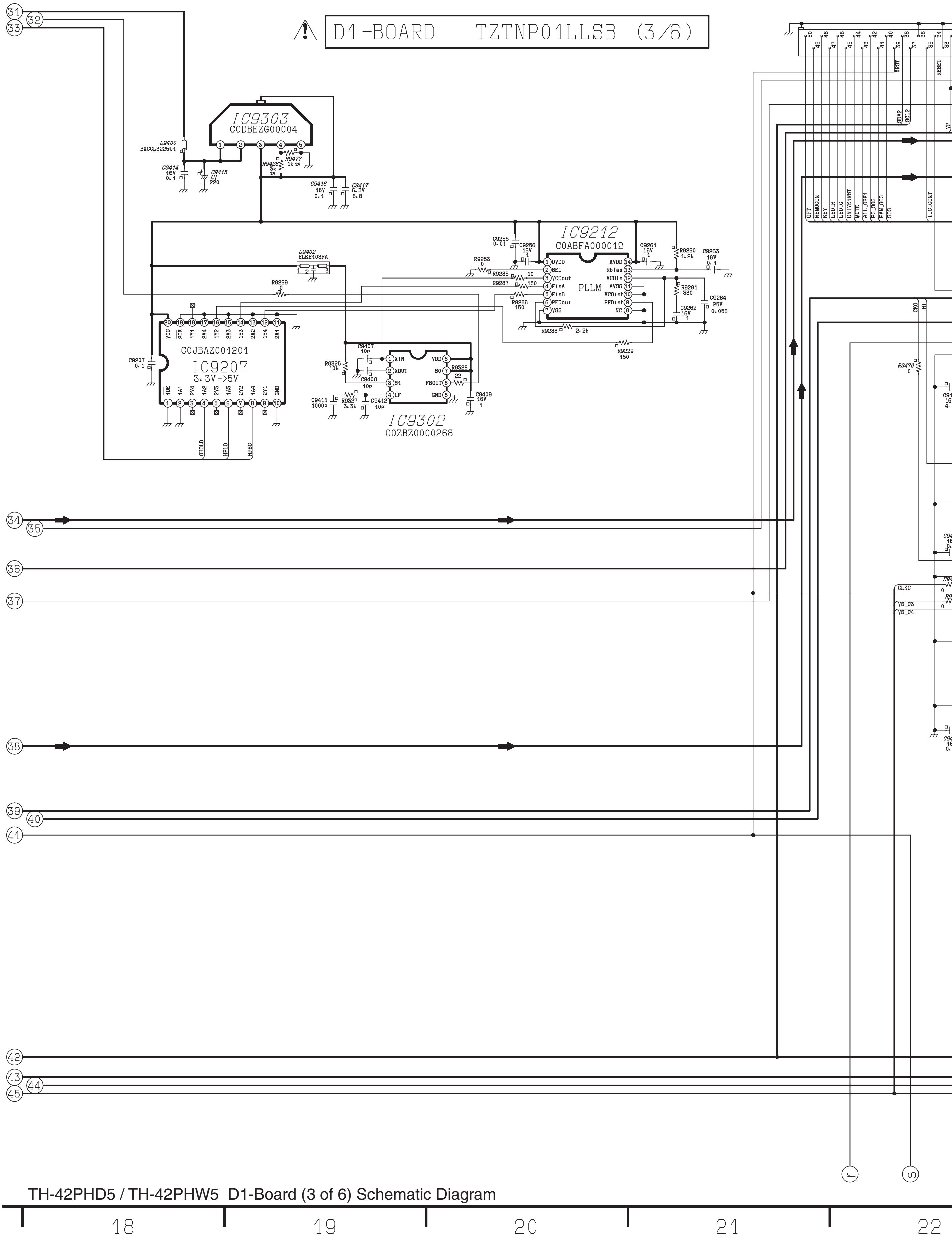
9 10 11 12 13


MCK PLL
OCK PLL
SCK PLL
A/D PLL
X9200
H1A3305B0005
33MHz
For many use
Output - A LEFT (Master)
Output - B RIGHT (Slave)
TEST
SD-RAM I/F
166MHz
64M-SDRAM
IC9210
C3ABPJ000042 W94632HD-6
C3ABPJ000017 MT48LC2M32B2TG-6
C3ABPJ000040 EM638325TS-6
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45

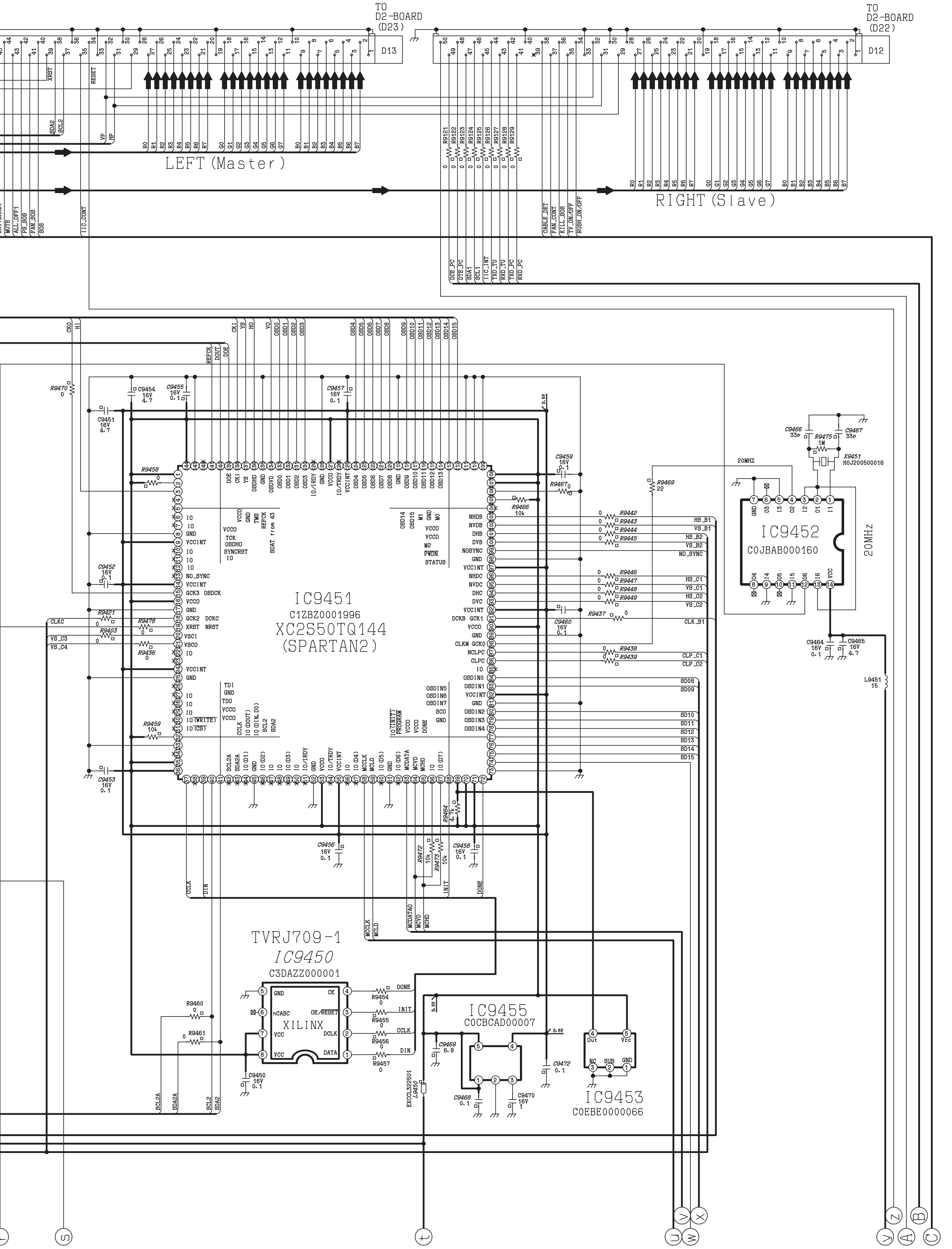
TH-42PHD5 / TH-42PHW5 D1-Board (2 of 6) Schematic Diagram

13 14 15 16 17

14.16. D1-Board (3 of 6) Schematic Diagram


D1-BOARD TZTNP01LLSB (3/6)
IC9303
C0DBEZG00004
L9400
EXCCL3225U1
C9414 16V 0.1
C9415 4V 220
R9428 3k
R9477 1k
C9416 16V 0.1
C9417 6.3V 6.8
L9402
ELKE103FA
R9299 0
IC9212
C0ABFA000012
PLLM
C9255 0.01
C9256 16V 1
C9261 16V 1
R9290 1.2k
C9263 16V 0.1
R9253 0
R9285 10
R9287 150
R9286 150
R9291 330
C9264 25V 0.056
C9262 16V 1
R9288 2.2k
R9229 150
DVDD
SEL
VCOout
FinA
FinB
PFDout
VSS
AVDD
Rbias
VCOin
AVSS
VCOinh
PFDinh
NC
C0JBAZ001201
IC9207
3.3V->5V
C9207 0.1
VCC
2OE
1Y1
2A4
1Y2
2A3
1Y3
2A2
1Y4
2A1
1OE
1A1
2Y4
1A2
2Y3
1A3
2Y2
1A4
2Y1
GND
OHOLD
HPLO
HFBC
IC9302
C0ZBZ0000268
C9407 10p
C9408 10p
R9325 10k
R9326 22
C9409 16V 1
C9411 1000p
R9327 3.3k
C9412 10p
XIN
XOUT
S1
LF
VDD
S0
FSOUT
GND
OPT
REMOCON
KEY
LED_R
LED_G
DRIVERRST
MUTE
ALL_OFF1
PS_SOS
FAN_SOS
SOS
IIC_CONT
XRST
RESET
SDA2
SCL2
VP
CKO
HI
R9470 0
CLKC
VS_C3
VS_C4
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
r
s
18
19
20
21
22

TH-42PHD5 / TH-42PHW5 D1-Board (3 of 6) Schematic Diagram

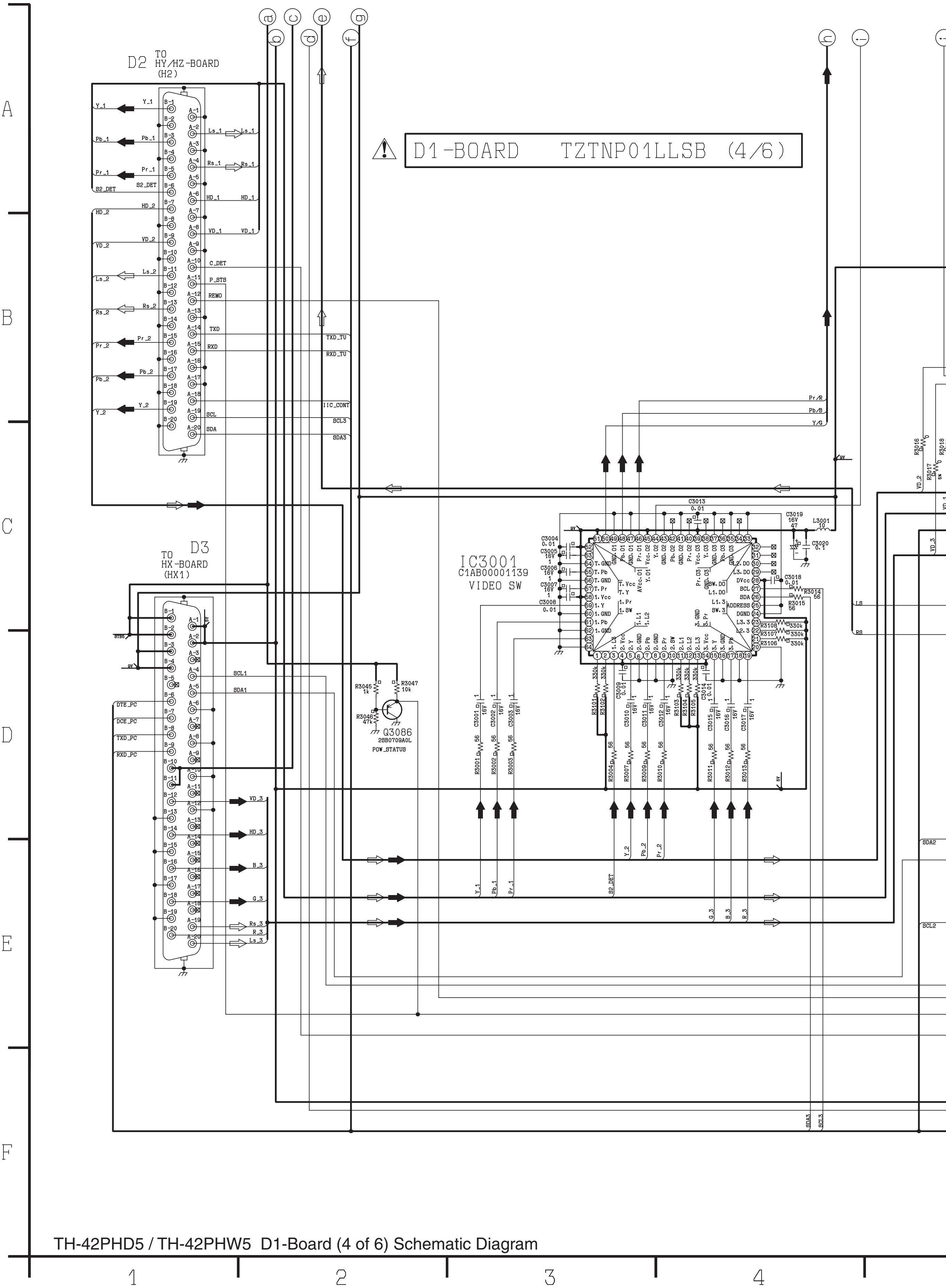


TO D2-BOARD (D23)
D13
TO D2-BOARD (D22)
D12
XRST
RESET
SDA2
SCL2
VP
HP
LEFT (Master)
RIGHT (Slave)
R9121
R9122
R9123
R9124
R9125
R9126
R9127
R9128
R9129
MUTE
ALL_OFF1
P8_SOS
FAN_SOS
SOS
IIC_CONT
CABLE_DET
FAN_CONT
KILL_SOS
TV_ON/OFF
RUSH_ON/OFF
DCE_PC
DTE_PC
SDA1
SCL1
IIC_INT
TXD_TU
RXD_TU
TXD_PC
RXD_PC
IC9451
C1ZBZ0001996
XC2S50TQ144
(SPARTAN2)
C9451 16V 4.7
C9452 16V 0.1
C9453 16V 0.1
C9454 16V 4.7
C9455 16V 0.1
C9456 16V 0.1
C9457 16V 0.1
C9458 16V 0.1
C9459 16V 0.1
C9460 16V 0.1
R9470 0
R9458 0
R9459 10k
R9421 0
R9403 0
R9478 0
R9436 0
R9466 10k
R9467 0
R9469 22
R9437 0
R9442
R9443
R9444
R9445
R9446
R9447
R9448
R9449
R9438
R9439
R9464 4.7k
R9472 10k
R9473 10k
CLKC
VS_C3
VS_C4
HS_B1
VS_B1
HS_B2
VS_B2
NO_SYNC
HS_C1
VS_C1
HS_C2
VS_C2
CLK_B1
CLP_C1
CLP_C2
SD08
SD09
SD10
SD11
SD12
SD13
SD14
SD15
2.5V
20MHZ
C9466 33p
C9467 33p
R9475 1M
X9451 H0J200500016
IC9452
C0JBAB000160
20MHz
C9464 16V 0.1
C9465 16V 4.7
L9451 15
CCLK
DIN
INIT
DONE
MCCLK
MCLD
MCDATAD
MCVD
MCHD
TVRJ709-1
IC9450
C3DAZZ000001
XILINX
GND
nCASC
VCC
CE
OE/RESET
DCLK
DATA
R9454 0
R9455 0
R9456 0
R9457 0
R9460 0
R9461 0
C9450 16V 0.1
SCL2A
SDA2A
SCL2
SDA2
IC9455
C0CBCAD00007
3.3V
C9469 6.8
C9468 0.1
C9470 16V 1
C9472 0.1
EXCCL3225U1 L9450
IC9453
C0EBE0000066
Out
Vcc
NC
SUB
GND
S
t
U
V
W
X
y
Z
A
B
C

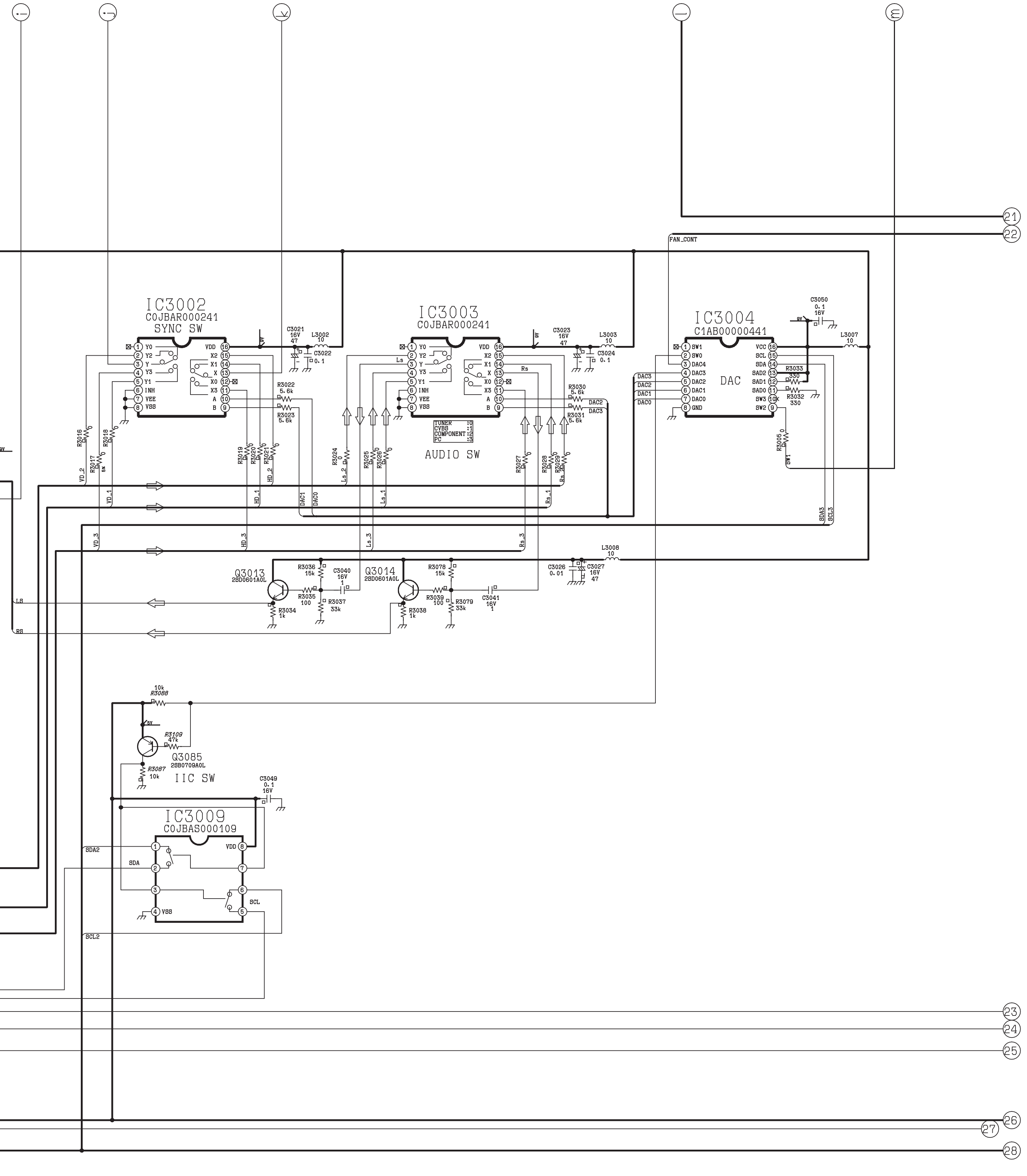
TH-42PHD5 / TH-42PHW5 D1-Board (3 of 6) Schematic Diagram

22 23 24 25 26

14.17. D1-Board (4 of 6) Schematic Diagram


A
B
C
D
E
F
1
2
3
4
a
b
c
d
e
f
g
h
i
D2
TO
HY/HZ-BOARD
(H2)
Y_1
Pb_1
Pr_1
S2_DET
HD_2
VD_2
Ls_2
Rs_2
Pr_2
Pb_2
Y_2
Ls_1
Rs_1
HD_1
VD_1
C_DET
P_STS
REMO
TXD
RXD
SCL
SDA
TXD_TU
RXD_TU
IIC_CONT
SCL3
SDA3
D1-BOARD TZTNP01LLSB (4/6)
D3
TO
HX-BOARD
(HX1)
STBS
9V
SCL1
SDA1
DTE_PC
DCE_PC
TXD_PC
RXD_PC
VD_3
HD_3
B_3
G_3
Rs_3
R_3
Ls_3
IC3001
C1AB00001139
VIDEO SW
R3045
1k
R3047
10k
R3046
47k
Q3086
2SB0709A0L
POW_STATUS
C3013
0.01
C3019
16V
47
L3001
10
C3020
0.1
C3018
0.01
R3014
56
R3015
56
R3106
330k
R3107
330k
R3108
330k
C3004
0.01
C3005
16V
1
C3006
16V
1
C3007
16V
1
C3008
0.01
C3001
C3002
C3003
16V
1
R3001
R3002
R3003
56
R3004
R3007
R3009
R3010
R3011
R3012
R3013
R3101
R3102
R3103
R3104
R3105
330k
C3009
0.01
C3010
C3011
C3012
C3014
0.01
C3015
C3016
C3017
Y_1
Pb_1
Pr_1
S2_DET
Y_2
Pb_2
Pr_2
G_3
B_3
R_3
Pr/R
Pb/B
Y/G
R3016
R3017
R3018
VD_2
VD_1
VD_3
LS
RS
SDA2
SCL2
SDA3
SCL3

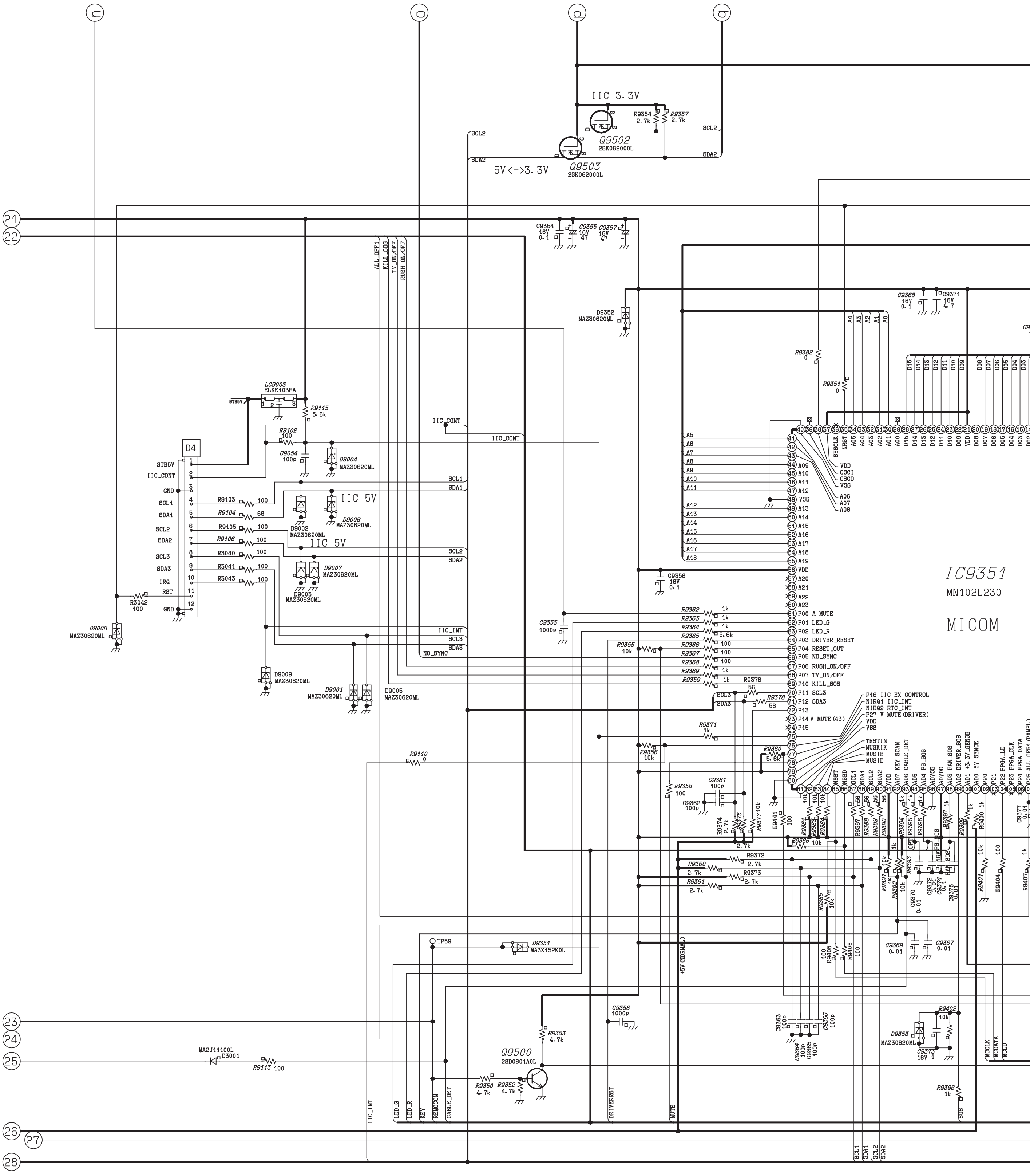
TH-42PHD5 / TH-42PHW5 D1-Board (4 of 6) Schematic Diagram


IC3002
C0JBAR000241
SYNC SW
IC3003
C0JBAR000241
AUDIO SW
IC3004
C1AB00000441
DAC
IC3009
C0JBAS000109
IIC SW
Q3013
2SD0601A0L
Q3014
2SD0601A0L
Q3085
2SB0709A0L
TUNER :0
CVBS :1
COMPONENT :2
PC :3
FAN_CONT
DAC0
DAC1
DAC2
DAC3
SDA2
SCL2
SDA3
SCL3
SDA
SCL
VD_1
VD_2
VD_3
HD_1
HD_2
HD_3
Ls_1
Ls_2
Ls_3
Rs_1
Rs_2
Rs_3
LS
RS
C3021 16V 47
L3002 10
C3022 0.1
C3023 16V 47
L3003 10
C3024 0.1
C3050 0.1 16V
L3007 10
R3033 330
R3032 330
R3005 0
R3022 5.6k
R3023 5.6k
R3030 5.6k
R3031 5.6k
R3036 15k
C3040 16V 1
R3035 100
R3037 33k
R3034 1k
R3078 15k
R3039 100
R3079 33k
C3041 16V 1
R3038 1k
C3026 0.01
C3027 16V 47
L3008 10
R3088 10k
R3109 47k
R3087 10k
C3049 0.1 16V
R3016
R3017
R3018
R3019
R3020
R3021
R3024
R3025
R3026
R3027
R3028
R3029
21
22
23
24
25
26
27
28

TH-42PHD5 / TH-42PHW5 D1-Board (4 of 6) Schematic Diagram

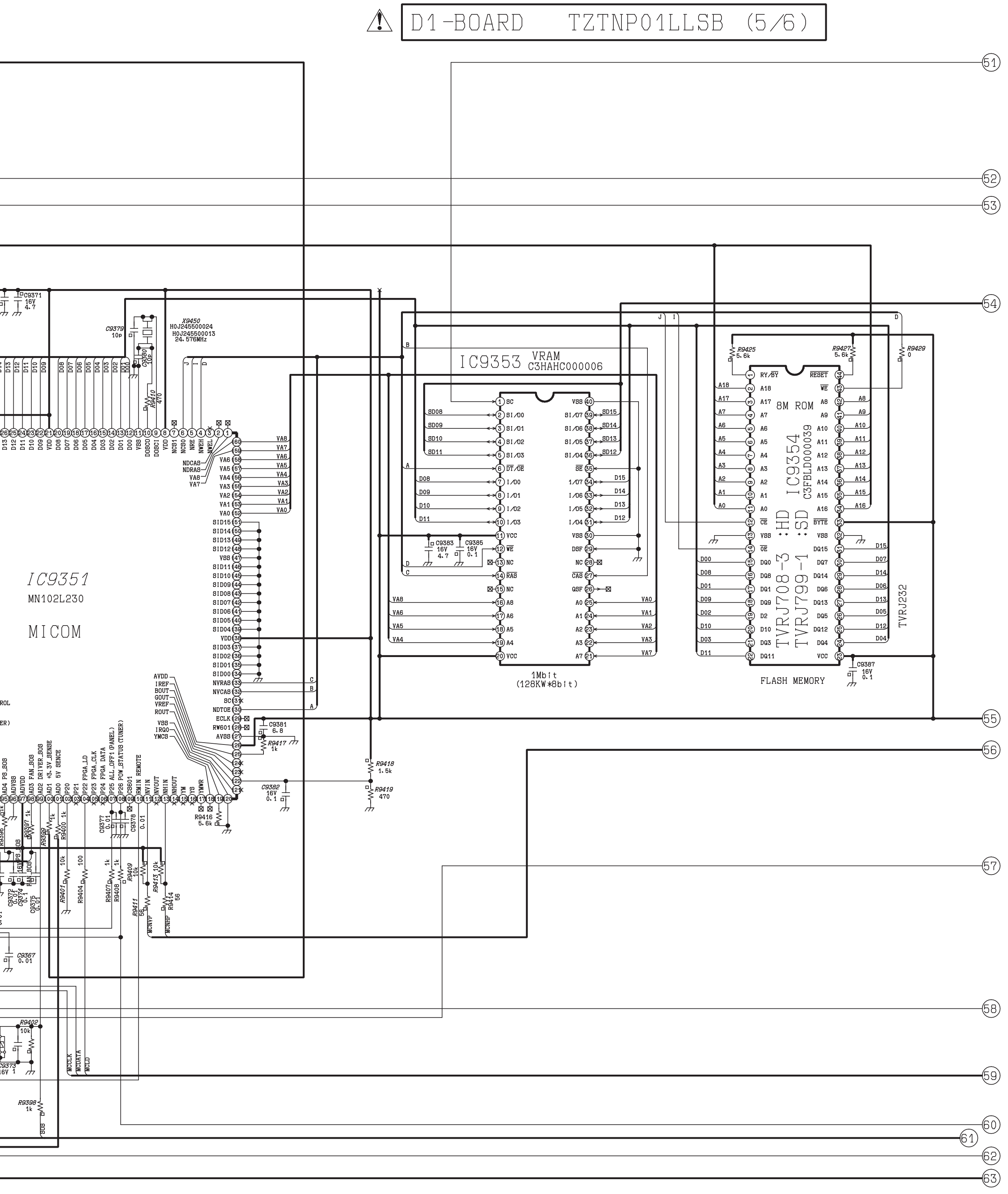
5 6 7 8 9

14.18. D1-Board (5 of 6) Schematic Diagram


IIC 3.3V
R9354 2.7k
R9357 2.7k
SCL2
SDA2
Q9502 2SK062000L
Q9503 2SK062000L
5V<->3.3V
21
22
C9354 16V 0.1
C9355 16V 47
C9357 16V 47
ALL_OFF1
KILL_SOS
TV_ON/OFF
RUSH_ON/OFF
D9352 MAZ30620ML
C9368 16V 0.1
C9371 16V 4.7
R9382 0
R9351 0
LC9003 ELKE103FA
STB6V
R9115 5.6k
IIC_CONT
R9102 100
C9054 100p
D9004 MAZ30620ML
D4
STB5V
IIC_CONT
GND
SCL1
SDA1
SCL2
SDA2
SCL3
SDA3
IRQ
RST
GND
R9103 100
R9104 68
R9105 100
R9106 100
R3040 100
R3041 100
R3043 100
R3042 100
IIC 5V
D9006 MAZ30620ML
D9002 MAZ30620ML
D9007 MAZ30620ML
D9003 MAZ30620ML
D9008 MAZ30620ML
D9009 MAZ30620ML
D9001 MAZ30620ML
D9005 MAZ30620ML
IIC_INT
SCL3
SDA3
NO_SYNC
C9358 16V 0.1
C9353 1000p
R9355 10k
R9362 1k
R9363 1k
R9364 1k
R9365 5.6k
R9366 100
R9367 100
R9368 100
R9369 1k
R9359 1k
R9376 56
R9378 56
IC9351
MN102L230
MICOM
P00 A MUTE
P01 LED_G
P02 LED_R
P03 DRIVER_RESET
P04 RESET_OUT
P05 NO_SYNC
P06 RUSH_ON/OFF
P07 TV_ON/OFF
P10 KILL_SOS
P11 SCL3
P12 SDA3
P13
P14 V MUTE(43)
P15
P16 IIC EX CONTROL
NIRQ1 IIC_INT
NIRQ2 RTC_INT
P27 V MUTE(DRIVER)
VDD
VSS
TESTIN
MUSKIK
MUSIB
MUSID
R9371 1k
R9356 10k
R9380 5.6k
R9110 0
R9358 100
C9361 100p
C9362 100p
R9374 2.7k
R9375 2.7k
R9377 10k
R9441 100
R9372 2.7k
R9373 2.7k
R9360 2.7k
R9361 2.7k
R9385 10k
R9386 10k
TP59
D9351 MA3X152K0L
+5V (NORMAL)
C9369 0.01
C9367 0.01
C9370 0.01
R9405 100
R9406 100
C9356 1000p
C9363 100p
C9364 100p
C9365 100p
C9366 100p
R9402 10k
D9353 MAZ30620ML
C9373 16V 1
R9398 1k
R9353 4.7k
Q9500 2SD0601A0L
R9350 4.7k
R9352 4.7k
23
24
25
MA2J11100L D3001
R9113 100
IIC_INT
LED_G
LED_R
KEY
REMOCON
CABLE_DET
DRIVERRST
MUTE
26
27
28
SCL1
SDA1
SCL2
SDA2
SOS
MCLK
MCDATA
MCLD

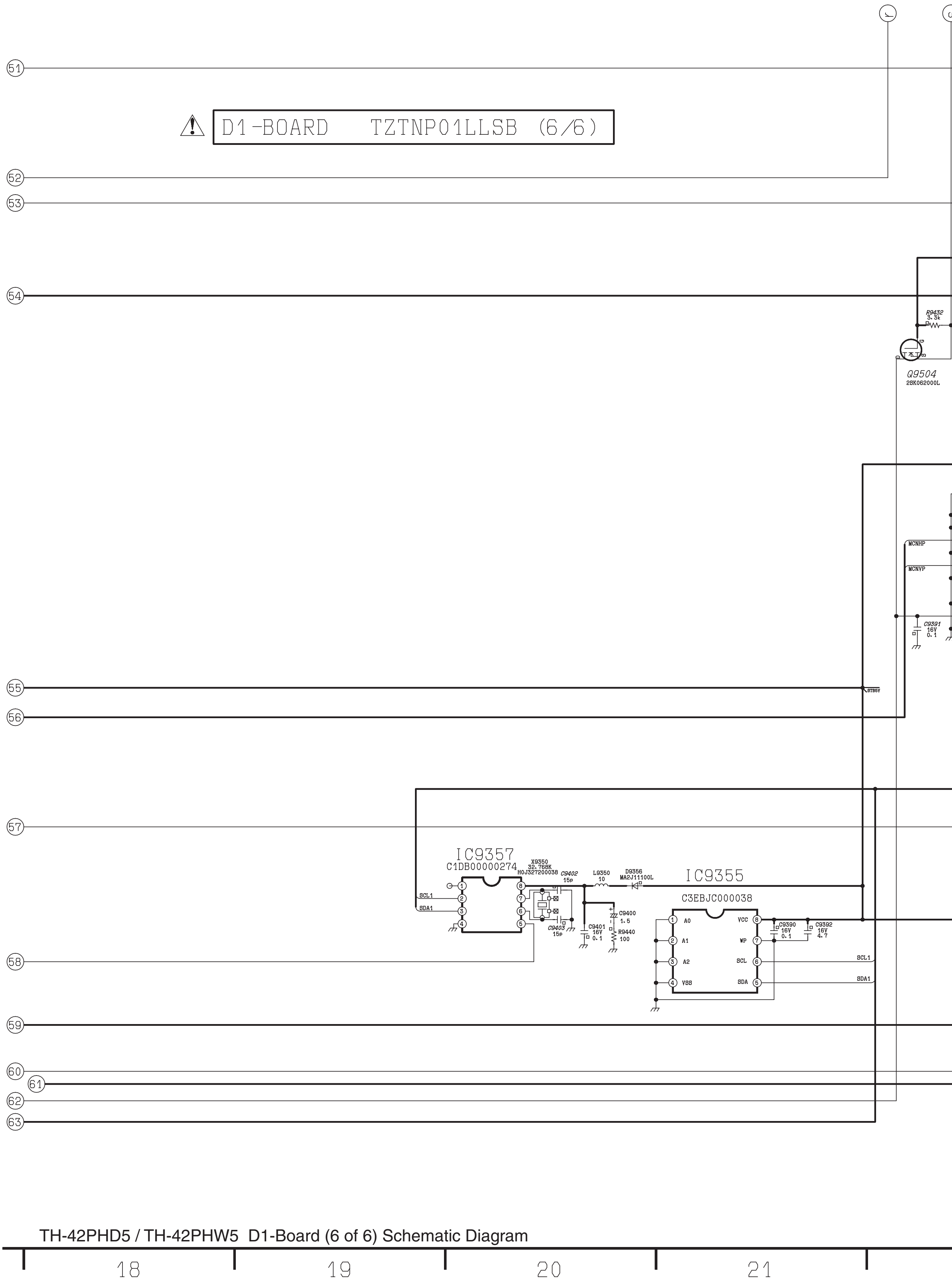
TH-42PHD5 / TH-42PHW5 D1-Board (5 of 6) Schematic Diagram

9 10 11 12 13

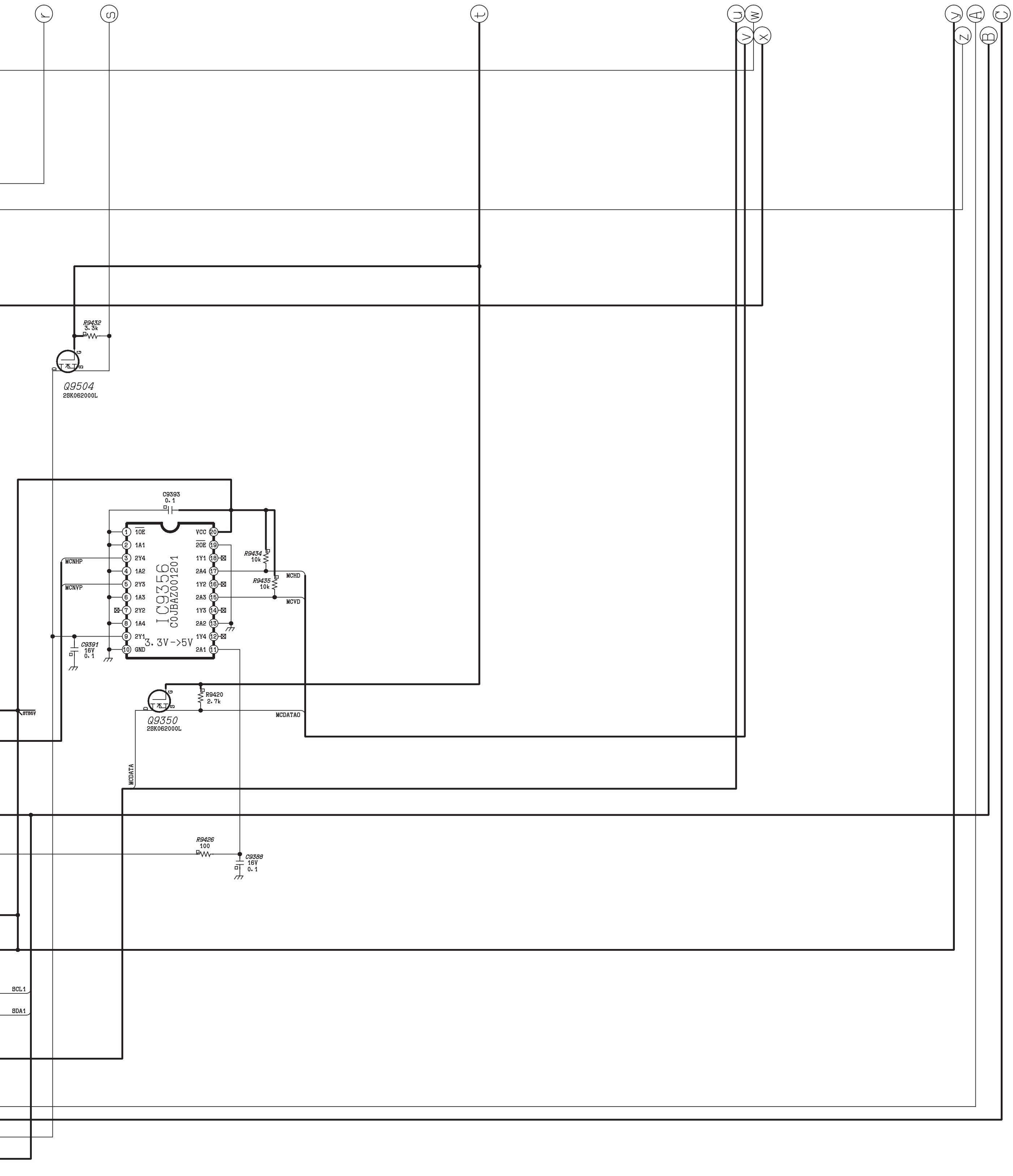

D1-BOARD TZTNP01LLSB (5/6)
IC9353
VRAM
C3HAHC000006
1Mbit
(128KW*8bit)
IC9354
8M ROM
C3FBLD000039
TVRJ708-3 :HD
TVRJ799-1 :SD
TVRJ232
FLASH MEMORY
IC9351
MN102L230
MICOM
X9450
H0J245500024
H0J245500013
24.576MHz
C9379
10p
C9380
10p
C9371
16V
4.7
R9410
470
R9425
5.6k
R9427
5.6k
R9429
0
C9383
16V
4.7
C9385
16V
0.1
C9387
16V
0.1
C9381
6.8
R9417
1k
R9418
1.5k
R9419
470
C9382
16V
0.1
R9416
5.6k
C9377
0.01
C9378
0.01
R9397 1k
R9400 1k
R9401 10k
R9404 100
R9407 1k
R9408 1k
R9409 10k
R9411 56
R9413 10k
R9414 56
C9367
0.01
R9402
10k
C9373
16V 1
R9398
1k
MCNVP
MCNHP
MCCLK
MCDATA
MCLD
SOS
AVDD
IREF
BOUT
GOUT
VREF
ROUT
VSS
IRQ0
YMCS
NVRAS
NVCAS
SC
NDTOE
ECLK
RW601
AVSS
NDCAS
NDRAS
P8_SOS
AD4 P8_SOS
ADVSS
ADVDD
AD3 FAN_SOS
AD2 DRIVER_SOS
AD1 +3.3V_SENSE
AD0 5V SENCE
P20
P21
P22 FPGA_LD
P23 FPGA_CLK
P24 FPGA_DATA
P25 ALL_OFF1 (PANEL)
P26 POW_STATUS (TUNER)
CS601
RMIN REMOTE
NVIN
NVOUT
NHIN
NHOUT
YM
YS
YMWR
SID00–SID15
SD08–SD15
VA0–VA8
D00–D15
A0–A18
RY/BY
RESET
WE
CE
OE
BYTE
VSS
VCC
DQ0–DQ15
SC
SI/O0–SI/O7
I/O0–I/O7
DT/OE
SE
DSF
NC
RAS
CAS
QSF
ROL
ER)
51
52
53
54
55
56
57
58
59
60
61
62
63

TH-42PHD5 / TH-42PHW5 D1-Board (5 of 6) Schematic Diagram

14.19. D1-Board (6 of 6) Schematic Diagram

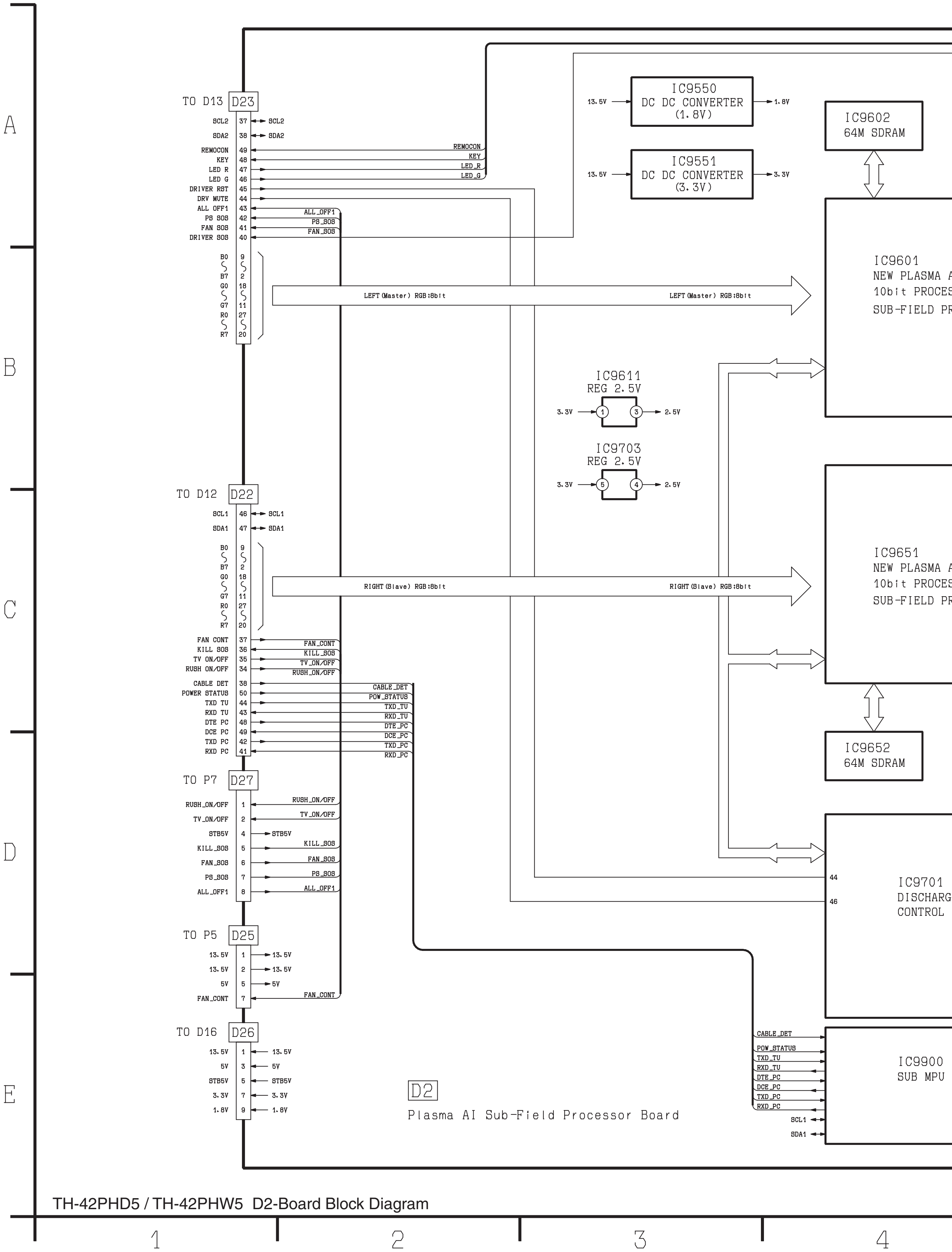

D1-BOARD TZTNP01LLSB (6/6)
51
52
53
54
55
56
57
58
59
60
61
62
63
R9432
3.3k
G
S
D
Q9504
2SK062000L
MCNHP
MCNVP
C9391
16V
0.1
STB5V
IC9357
C1DB00000274
X9350
32.768K
H0J327200038
C9402
15p
C9403
15p
L9350
10
D9356
MA2J11100L
C9400
1.5
C9401
16V
0.1
R9440
100
SCL1
SDA1
IC9355
C3EBJC000038
A0
A1
A2
VSS
VCC
WP
SCL
SDA
C9390
16V
0.1
C9392
16V
4.7
SCL1
SDA1
18
19
20
21

TH-42PHD5 / TH-42PHW5 D1-Board (6 of 6) Schematic Diagram

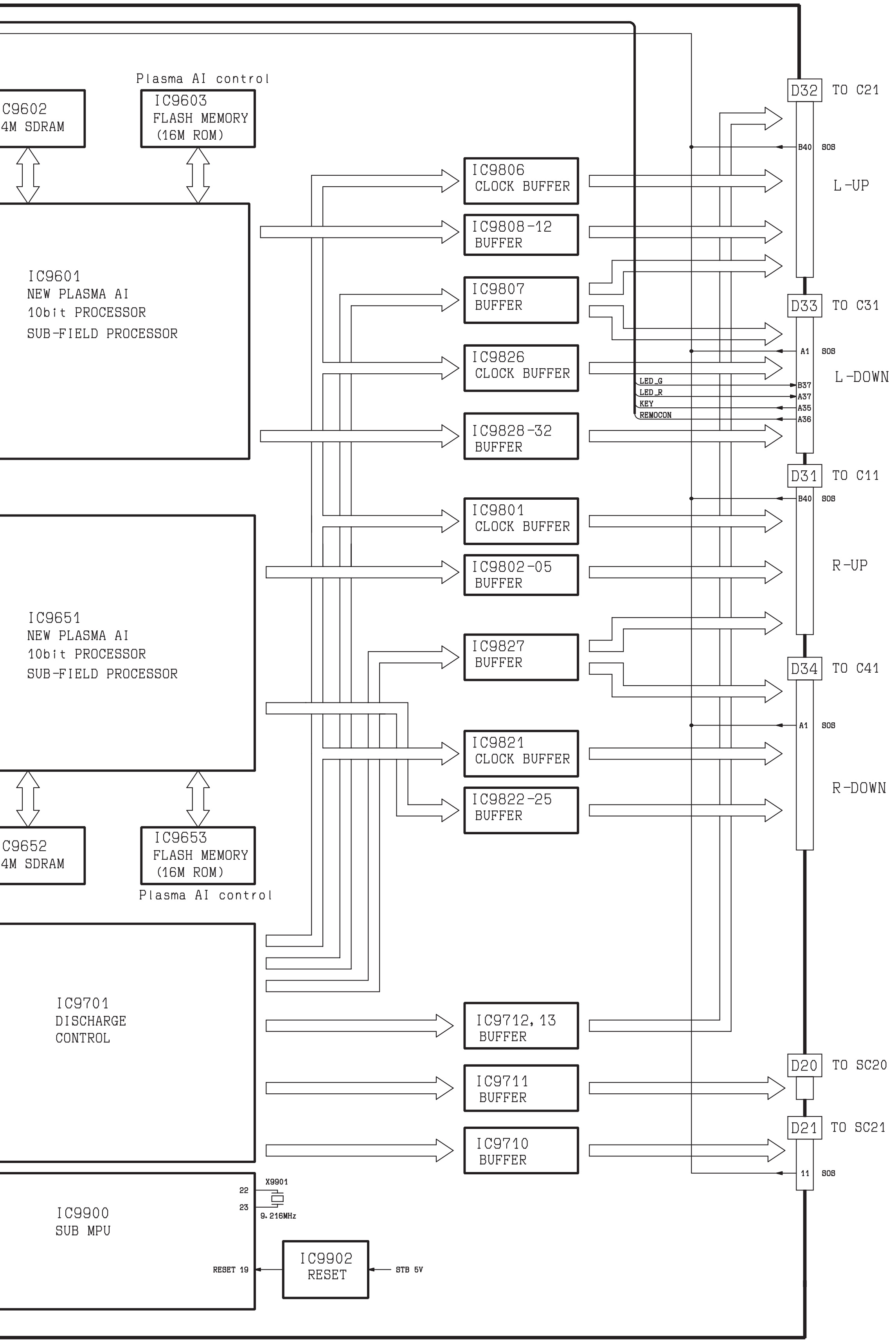

r
s
t
u
w
v
x
y
A
C
z
B
R9432
3.3k
Q9504
2SK062000L
C9393
0.1
IC9356
C0JBAZ001201
3.3V->5V
1 1OE
2 1A1
3 2Y4
4 1A2
5 2Y3
6 1A3
7 2Y2
8 1A4
9 2Y1
10 GND
VCC 20
2OE 19
1Y1 18
2A4 17
1Y2 16
2A3 15
1Y3 14
2A2 13
1Y4 12
2A1 11
MCNHP
MCNVP
R9434
10k
R9435
10k
MCHD
MCVD
C9391
16V
0.1
R9420
2.7k
Q9350
2SK062000L
MCDATAO
MCDATA
STB5V
R9426
100
C9388
16V
0.1
SCL1
SDA1

TH-42PHD5 / TH-42PHW5 D1-Board (6 of 6) Schematic Diagram

14.20. D2-Board Block Diagram


A
B
C
D
E
1
2
3
4
TO D13
D23
SCL2 37 SCL2
SDA2 38 SDA2
REMOCON 49
KEY 48
LED R 47
LED G 46
DRIVER RST 45
DRV MUTE 44
ALL OFF1 43
PS SOS 42
FAN SOS 41
DRIVER SOS 40
B0 9
B7 2
G0 18
G7 11
R0 27
R7 20
REMOCON
KEY
LED_R
LED_G
ALL_OFF1
PS_SOS
FAN_SOS
LEFT(Master) RGB:8bit
LEFT(Master) RGB:8bit
IC9550
DC DC CONVERTER
(1.8V)
13.5V
1.8V
IC9551
DC DC CONVERTER
(3.3V)
13.5V
3.3V
IC9602
64M SDRAM
IC9601
NEW PLASMA A
10bit PROCES
SUB-FIELD PR
IC9611
REG 2.5V
3.3V
1
3
2.5V
IC9703
REG 2.5V
3.3V
5
4
2.5V
TO D12
D22
SCL1 46 SCL1
SDA1 47 SDA1
B0 9
B7 2
G0 18
G7 11
R0 27
R7 20
RIGHT(Slave) RGB:8bit
RIGHT(Slave) RGB:8bit
IC9651
NEW PLASMA A
10bit PROCES
SUB-FIELD PR
FAN CONT 37
KILL SOS 36
TV ON/OFF 35
RUSH ON/OFF 34
FAN_CONT
KILL_SOS
TV_ON/OFF
RUSH_ON/OFF
CABLE DET 38
POWER STATUS 50
TXD TU 44
RXD TU 43
DTE PC 48
DCE PC 49
TXD PC 42
RXD PC 41
CABLE_DET
POW_STATUS
TXD_TU
RXD_TU
DTE_PC
DCE_PC
TXD_PC
RXD_PC
IC9652
64M SDRAM
TO P7
D27
RUSH_ON/OFF 1
TV_ON/OFF 2
STB5V 4 STB5V
KILL_SOS 5
FAN_SOS 6
PS_SOS 7
ALL_OFF1 8
RUSH_ON/OFF
TV_ON/OFF
KILL_SOS
FAN_SOS
PS_SOS
ALL_OFF1
44
46
IC9701
DISCHARG
CONTROL
TO P5
D25
13.5V 1 13.5V
13.5V 2 13.5V
5V 5 5V
FAN_CONT 7
FAN_CONT
TO D16
D26
13.5V 1 13.5V
5V 3 5V
STB5V 5 STB5V
3.3V 7 3.3V
1.8V 9 1.8V
D2
Plasma AI Sub-Field Processor Board
CABLE_DET
POW_STATUS
TXD_TU
RXD_TU
DTE_PC
DCE_PC
TXD_PC
RXD_PC
SCL1
SDA1
IC9900
SUB MPU

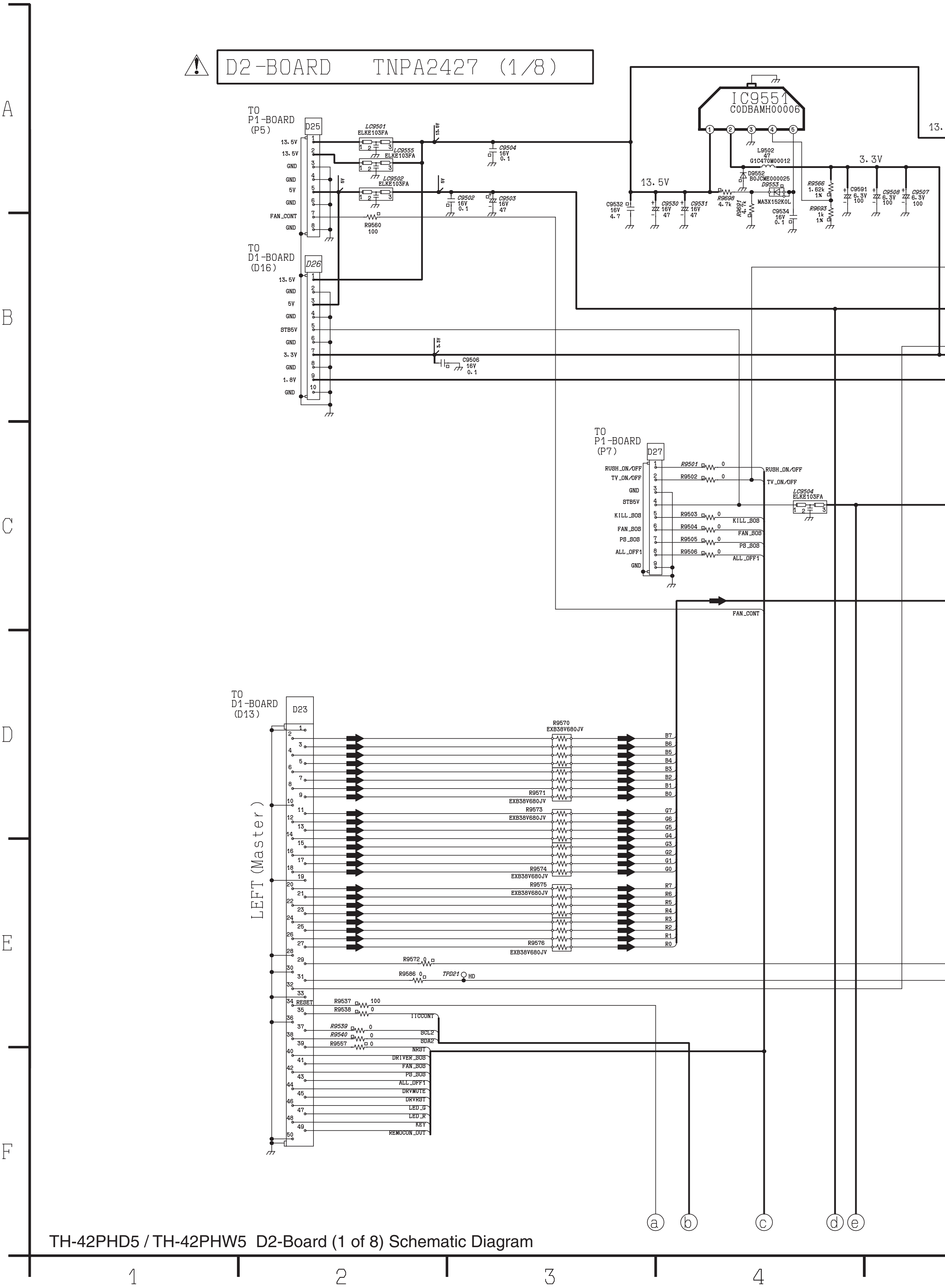
TH-42PHD5 / TH-42PHW5 D2-Board Block Diagram


Plasma AI control
C9602
4M SDRAM
IC9603
FLASH MEMORY
(16M ROM)
IC9601
NEW PLASMA AI
10bit PROCESSOR
SUB-FIELD PROCESSOR
IC9806
CLOCK BUFFER
IC9808-12
BUFFER
IC9807
BUFFER
IC9826
CLOCK BUFFER
IC9828-32
BUFFER
IC9801
CLOCK BUFFER
IC9802-05
BUFFER
IC9827
BUFFER
IC9821
CLOCK BUFFER
IC9822-25
BUFFER
IC9651
NEW PLASMA AI
10bit PROCESSOR
SUB-FIELD PROCESSOR
C9652
4M SDRAM
IC9653
FLASH MEMORY
(16M ROM)
Plasma AI control
IC9701
DISCHARGE
CONTROL
IC9712, 13
BUFFER
IC9711
BUFFER
IC9710
BUFFER
IC9900
SUB MPU
22
23
X9901
9.216MHz
RESET 19
IC9902
RESET
STB 5V
LED_G
LED_R
KEY
REMOCON
D32
TO C21
B40
SOS
L-UP
D33
TO C31
A1
SOS
B37
A37
A35
A36
L-DOWN
D31
TO C11
B40
SOS
R-UP
D34
TO C41
A1
SOS
R-DOWN
D20
TO SC20
D21
TO SC21
11
SOS

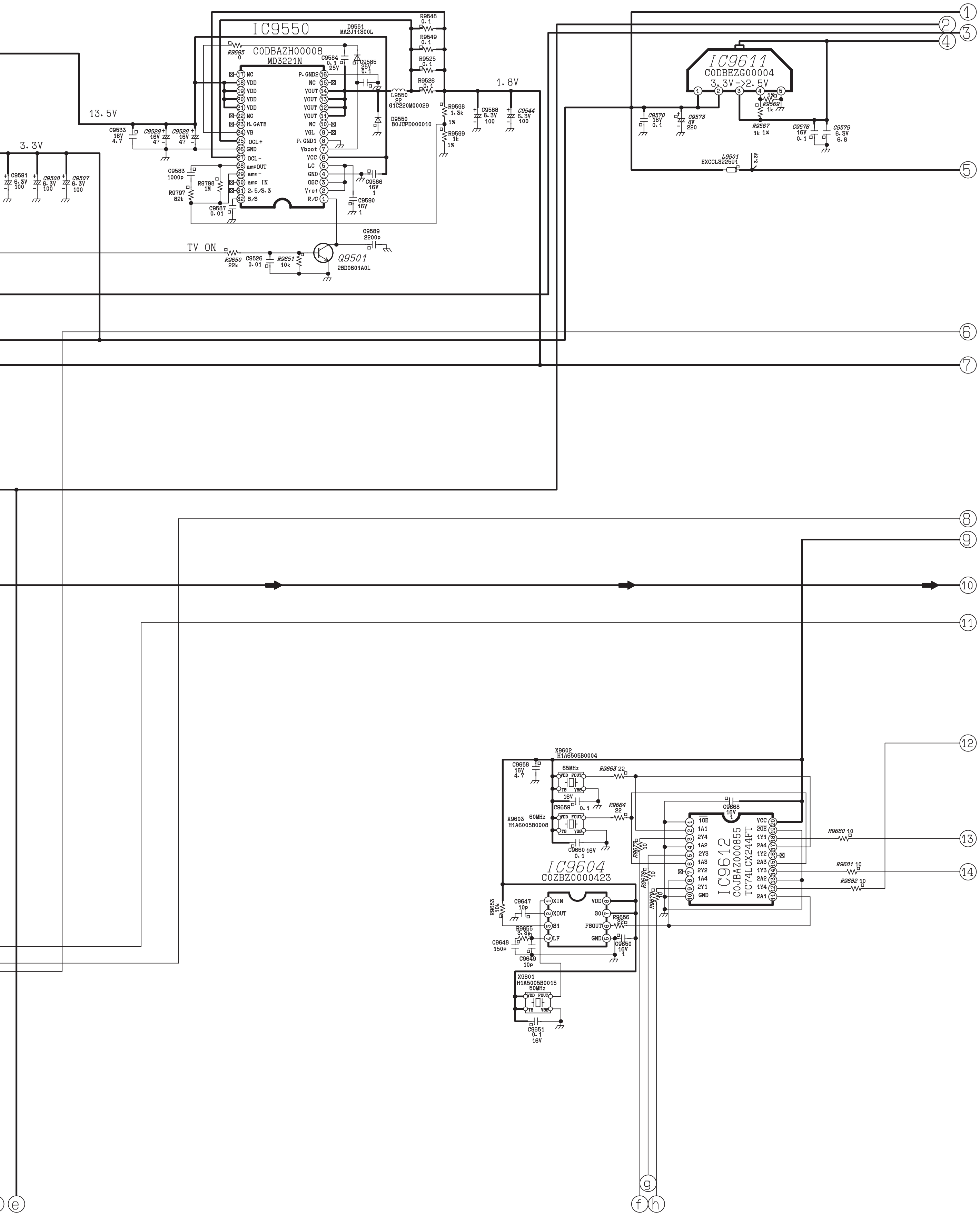
TH-42PHD5 / TH-42PHW5 D2-Board Block Diagram

4 5 6 7

14.21. D2-Board (1 of 8) Schematic Diagram

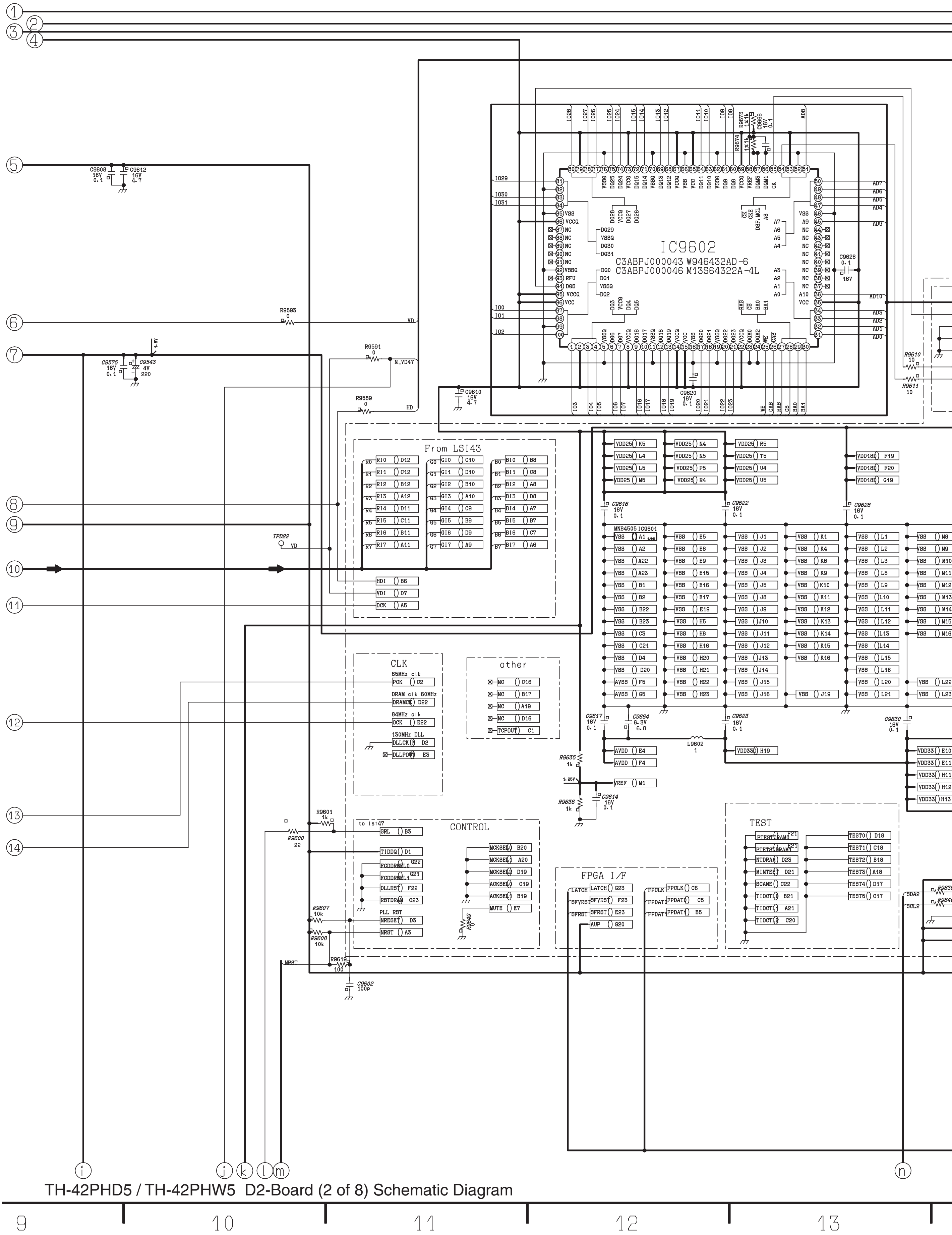

D2-BOARD TNPA2427 (1/8)
IC9551
C0DBAMH00006
TO P1-BOARD (P5)
D25
13.5V
13.5V
GND
GND
5V
GND
FAN_CONT
GND
LC9501 ELKE103FA
LC9555 ELKE103FA
LC9502 ELKE103FA
C9504 16V 0.1
C9502 16V 0.1
C9503 16V 47
R9560 100
L9502 47 G1C470M00012
D9552 B0JCME000025
D9553
MA3X152K0L
R9698 4.7k
R9691 4.7k
R9566 1.62k 1%
R9693 1k 1%
C9534 16V 0.1
C9532 16V 4.7
C9530 16V 47
C9531 16V 47
C9591 6.3V 100
C9508 6.3V 100
C9507 6.3V 100
13.5V
3.3V
TO D1-BOARD (D16)
D26
13.5V
GND
5V
GND
STB5V
GND
3.3V
GND
1.8V
GND
C9506 16V 0.1
TO P1-BOARD (P7)
D27
RUSH_ON/OFF
TV_ON/OFF
GND
STB5V
KILL_SOS
FAN_SOS
PS_SOS
ALL_OFF1
GND
R9501 0
R9502 0
R9503 0
R9504 0
R9505 0
R9506 0
LC9504 ELKE103FA
FAN_CONT
TO D1-BOARD (D13)
D23
LEFT (Master)
R9570 EXB38V680JV
R9571 EXB38V680JV
R9573 EXB38V680JV
R9574 EXB38V680JV
R9575 EXB38V680JV
R9576 EXB38V680JV
B7 B6 B5 B4 B3 B2 B1 B0
G7 G6 G5 G4 G3 G2 G1 G0
R7 R6 R5 R4 R3 R2 R1 R0
R9572 0
R9586 0
TPD21 HD
RESET
R9537 100
R9538 0
IICCONT
R9539 0
R9540 0
R9557 0
SCL2
SDA2
NRST
DRIVER_SOS
FAN_SOS
PS_SOS
ALL_OFF1
DRVMUTE
DRVRST
LED_G
LED_R
KEY
REMOCON_OUT
a
b
c
d
e
A
B
C
D
E
F
1
2
3
4

TH-42PHD5 / TH-42PHW5 D2-Board (1 of 8) Schematic Diagram

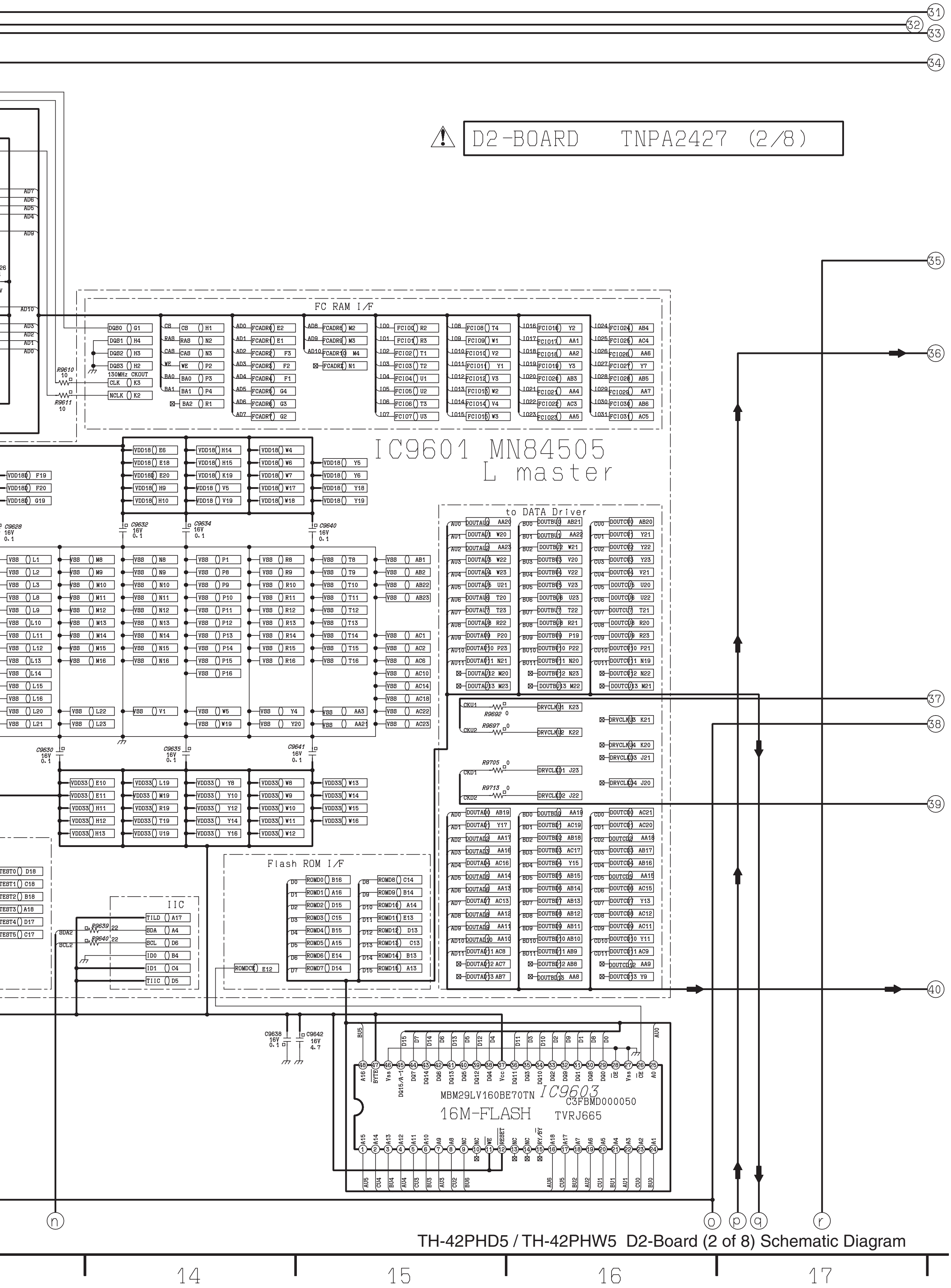

IC9550
C0DBAZH00008
MD3221N
D9551
MA2J11300L
R9548 0.1
R9549 0.1
R9525 0.1
R9526 0.1
R9695 0
C9584 0.1 25V
C9585 25V 0.1
L9550 22 G1C220M00029
D9550 B0JCPD000010
R9598 1.3k 1%
R9599 1k 1%
C9588 6.3V 100
C9544 6.3V 100
1.8V
13.5V
3.3V
C9533 16V 4.7
C9529 16V 47
C9528 16V 47
C9591 6.3V 100
C9508 6.3V 100
C9507 6.3V 100
C9583 1000p
R9798 1M
R9797 82k
C9587 0.01
C9586 16V 1
C9590 16V 1
C9589 2200p
TV ON
R9650 22k
C9526 0.01
R9651 10k
Q9501
2SD0601A0L
NC VDD VDD VDD VDD NC NC H.GATE VB OCL+ GND OCL- ampOUT amp- amp IN 2.5/3.3 S/S
P.GND2 NC VOUT VOUT VOUT VOUT NC VGL P.GND1 Vboot VCC LC GND OSC Vref R/C
IC9611
C0DBEZG00004
3.3V->2.5V
R9569 1k
R9567 1k 1%
C9570 16V 0.1
C9573 4V 220
C9576 16V 0.1
C9579 6.3V 6.8
L9501 EXCCL3225U1
3.3V
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭
X9602 H1A6505B0004
65MHz
C9658 16V 4.7
R9663 22
C9659 16V 0.1
R9664 22
X9603 H1A6005B0008
60MHz
C9660 16V 0.1
C9668 16V 1
IC9612
C0JBAZ000855
TC74LCX244FT
1OE 1A1 2Y4 1A2 2Y3 1A3 2Y2 1A4 2Y1 GND
VCC 2OE 1Y1 2A4 1Y2 2A3 1Y3 2A2 1Y4 2A1
R9680 10
R9681 10
R9682 10
R9677 10
R9678 10
R9679 10
IC9604
C0ZBZ0000423
XIN XOUT S1 LF VDD S0 FSOUT GND
R9653 10k
C9647 10p
R9655 3.3k
C9648 150p
C9649 10p
R9656 22
C9650 16V 1
X9601 H1A5005B0015 50MHz
C9651 0.1 16V
VDD FOUT TS VSS
e f g h
5 6 7 8 9

TH-42PHD5 / TH-42PHW5 D2-Board (1 of 8) Schematic Diagram

14.22. D2-Board (2 of 8) Schematic Diagram

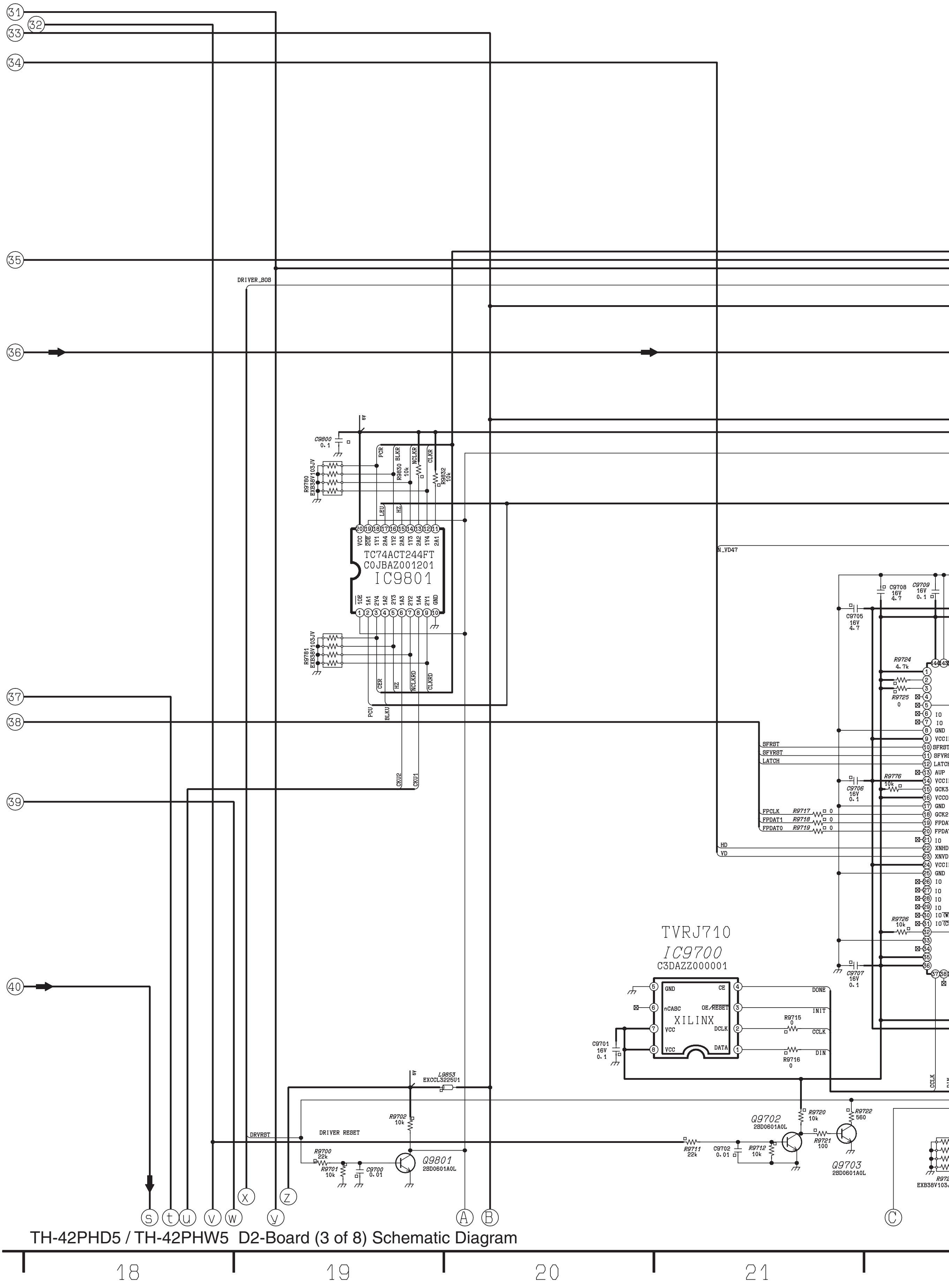

IC9602
C3ABPJ000043 W946432AD-6
C3ABPJ000046 M13S64322A-4L
MN84505 IC9601
From LSI43
CLK
65MHz clk
DRAM clk 60MHz
84MHz clk
130MHz DLL
other
CONTROL
to lsi47
PLL RST
FPGA I/F
TEST
C9608 16V 0.1
C9612 16V 4.7
C9575 16V 0.1
C9543 4V 220
C9610 16V 4.7
C9620 16V 0.1
C9626 0.1 16V
C9616 16V 0.1
C9622 16V 0.1
C9628 16V 0.1
C9617 16V 0.1
C9664 6.3V 6.8
C9623 16V 0.1
C9630 16V 0.1
C9614 16V 0.1
C9602 100p
R9593 0
R9591 0
R9589 0
R9601 1k
R9600 22
R9607 10k
R9608 10k
R9619 100
R9635 1k
R9636 1k
R9610 10
R9611 10
L9602 1
TPD22
VD
N_VD47
HD
NRST
1.25V
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪
⑫
⑬
⑭
ⓘ
ⓙ
ⓚ
ⓛ
ⓜ
ⓝ
9
10
11
12
13

TH-42PHD5 / TH-42PHW5 D2-Board (2 of 8) Schematic Diagram


D2-BOARD TNPA2427 (2/8)
FC RAM I/F
IC9601 MN84505
L master
to DATA Driver
Flash ROM I/F
IIC
IC9603
MBM29LV160BE70TN
C3FBMD000050
16M-FLASH
TVRJ665
R9610 10
R9611 10
130MHz CKOUT
C9628 16V 0.1
C9632 16V 0.1
C9634 16V 0.1
C9640 16V 0.1
C9630 16V 0.1
C9635 16V 0.1
C9641 16V 0.1
C9638 16V 0.1
C9642 16V 4.7
R9639 22
R9640 22
R9692 0
R9697 0
R9705 0
R9713 0
31
32
33
34
35
36
37
38
39
40
n
o
p
q
r
14
15
16
17

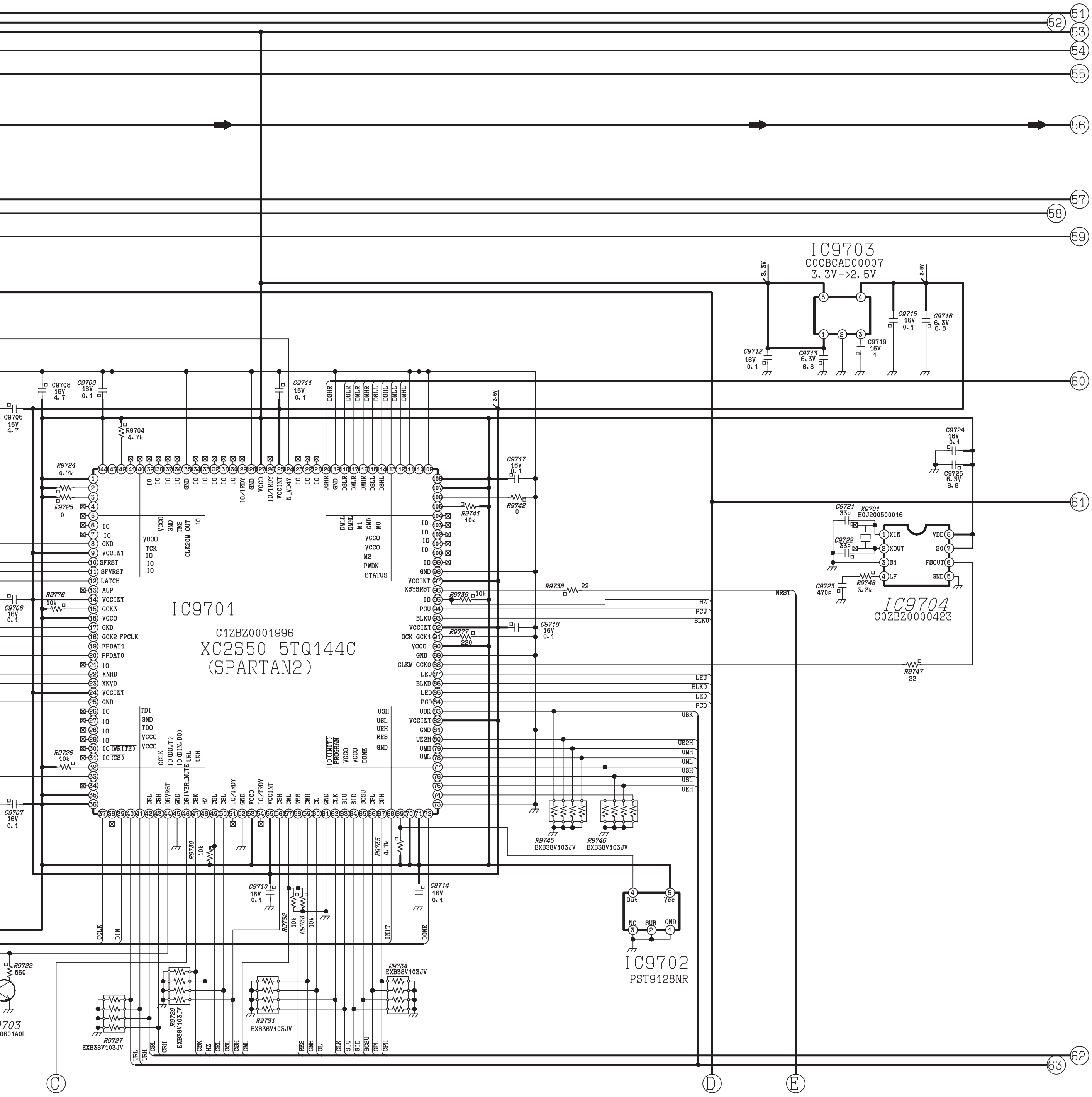
TH-42PHD5 / TH-42PHW5 D2-Board (2 of 8) Schematic Diagram

14.23. D2-Board (3 of 8) Schematic Diagram


31
32
33
34
35
36
37
38
39
40
DRIVER_SOS
C9800 0.1
5V
R9780 EXB38V103JV
R9781 EXB38V103JV
PCR
BLKR
NCLKR
CLKR
R9830 10k
R9832 10k
LEU
HZ
VCC
2OE
1Y1
2A4
1Y2
2A3
1Y3
2A2
1Y4
2A1
TC74ACT244FT
C0JBAZ001201
IC9801
1OE
1A1
2Y4
1A2
2Y3
1A3
2Y2
1A4
2Y1
GND
CER
NCLKRD
CLKRD
PCU
BLKU
CKU2
CKU1
N_VD47
C9708 16V 4.7
C9709 16V 0.1
C9705 16V 4.7
R9724 4.7k
R9725 0
IO
GND
VCCI
SFRST
SFVRST
LATCH
AUP
GCK3
VCCO
GCK2
FPDAT
C9706 16V 0.1
R9776 10k
FPCLK
FPDAT1
FPDAT0
R9717 0
R9718 0
R9719 0
HD
VD
XNHD
XNVD
R9726 10k
C9707 16V 0.1
TVRJ710
IC9700
C3DAZZ000001
GND
CE
nCASC
OE/RESET
XILINX
VCC
DCLK
DATA
DONE
INIT
CCLK
DIN
R9715 0
R9716 0
C9701 16V 0.1
L9853 EXCCL3225U1
R9702 10k
DRVRST
DRIVER RESET
R9700 22k
R9701 10k
C9700 0.01
Q9801 2SD0601A0L
Q9702 2SD0601A0L
R9720 10k
R9722 560
R9721 100
R9711 22k
C9702 0.01
R9712 10k
Q9703 2SD0601A0L
EXB38V103
s
t
u
v
w
x
y
z
A
B
C
18
19
20
21

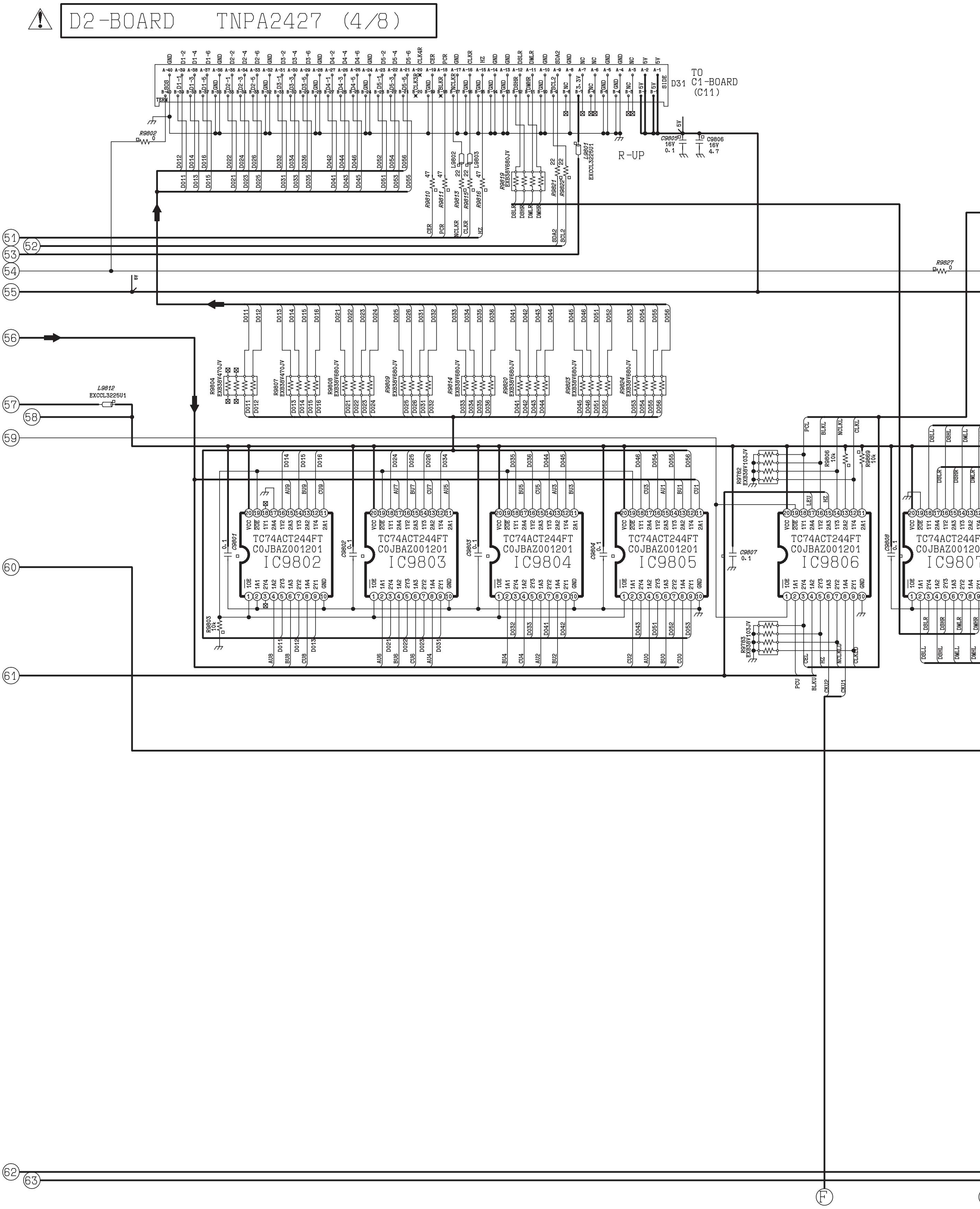
TH-42PHD5 / TH-42PHW5 D2-Board (3 of 8) Schematic Diagram

⚠ D2-BOARD TNPA2427 (3/8)

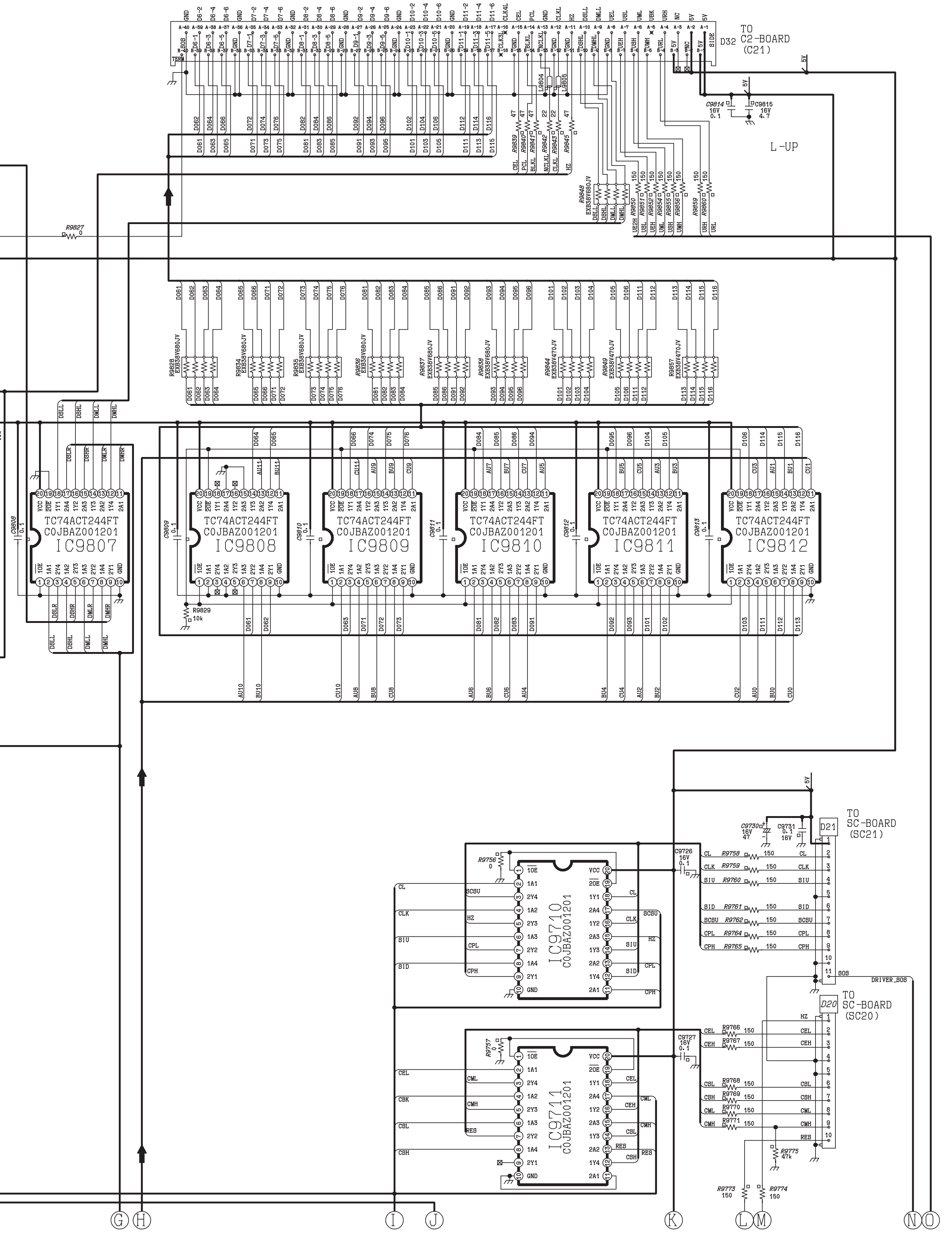

IC9701
C1ZBZ0001996
XC2S50-5TQ144C
(SPARTAN2)
IC9703
C0CBCAD00007
3.3V->2.5V
IC9704
C0ZBZ0000423
IC9702
PST9128NR
X9701
H0J200500016
R9745 EXB38V103JV
R9746 EXB38V103JV
R9727 EXB38V103JV
R9729 EXB38V103JV
R9731 EXB38V103JV
R9734 EXB38V103JV
C
D
E
51
52
53
54
55
56
57
58
59
60
61
62
63

TH-42PHD5 / TH-42PHW5 D2-Board (3 of 8) Schematic Diagram

22 23 24 25 26


D2-BOARD TNPA2427 (4/8)
TO C1-BOARD (C11)
D31
R-UP
TC74ACT244FT
C0JBAZ001201
IC9802
IC9803
IC9804
IC9805
IC9806
IC9807
F

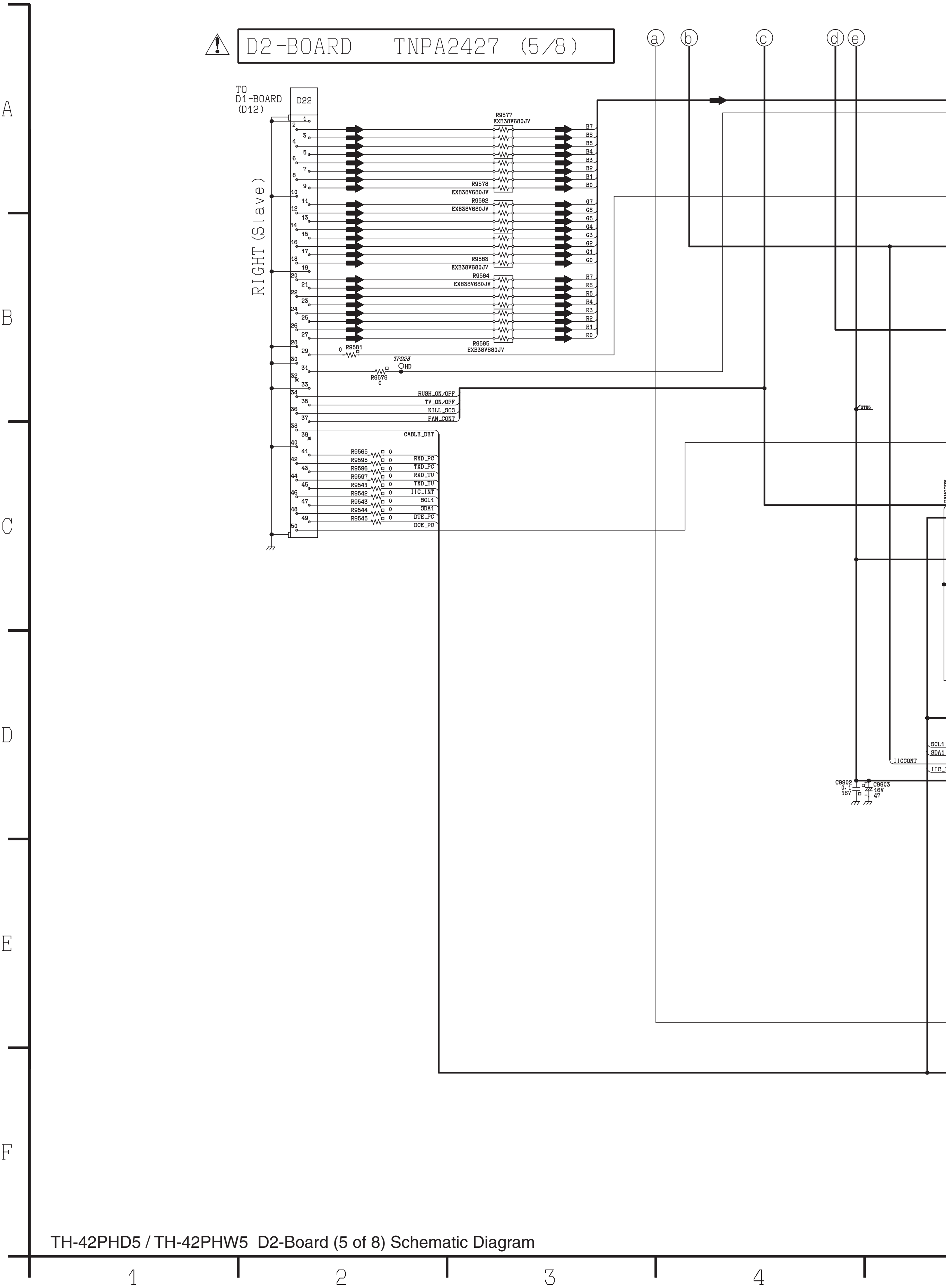
TH-42PHD5 / TH-42PHW5 D2-Board (4 of 8) Schematic Diagram



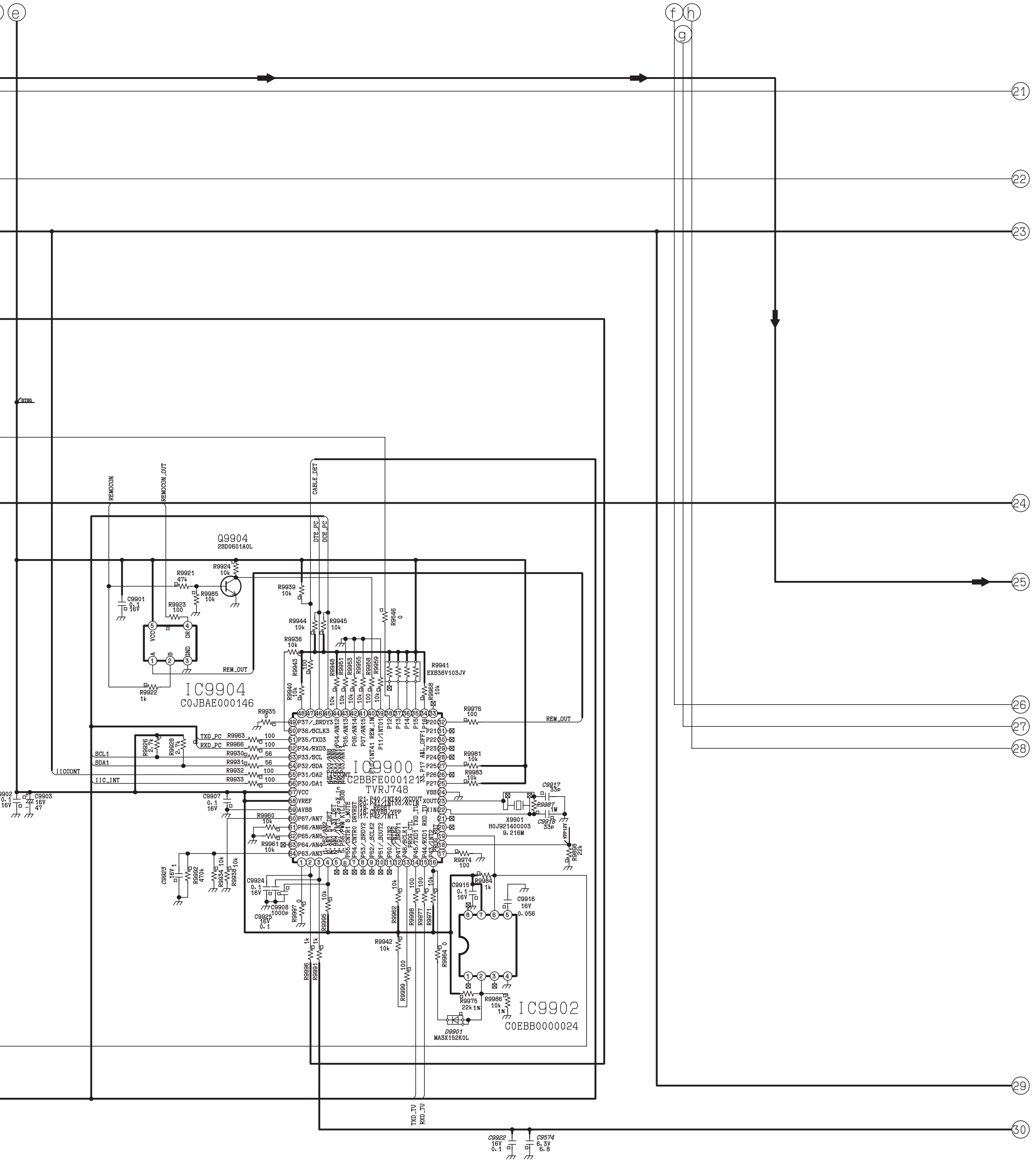
D32
TO C2-BOARD (C21)
L-UP
5V
C9814 16V 0.1
C9815 16V 4.7
R9827
R9829 10k
IC9807
IC9808
IC9809
IC9810
IC9811
IC9812
TC74ACT244FT
C0JBAZ001201
C9808 0.1
C9809 0.1
C9810 0.1
C9811 0.1
C9812 0.1
C9813 0.1
IC9710
IC9711
C0JBAZ001201
D21
TO SC-BOARD (SC21)
D20
TO SC-BOARD (SC20)
C9730 16V 47
C9731 0.1 16V
C9726 16V 0.1
C9727 16V 0.1
R9775 47k
R9773 150
R9774 150
DRIVER_SOS
G
H
I
J
K
L
M
N
O
31
32
33
34

TH-42PHD5 / TH-42PHW5 D2-Board (4 of 8) Schematic Diagram

14.25. D2-Board (5 of 8) Schematic Diagram


D2-BOARD TNPA2427 (5/8)
a
b
c
d
e
TO
D1-BOARD
(D12)
D22
RIGHT (Slave)
R9577
EXB38V680JV
R9578
EXB38V680JV
R9582
EXB38V680JV
R9583
EXB38V680JV
R9584
EXB38V680JV
R9585
EXB38V680JV
B7
B6
B5
B4
B3
B2
B1
B0
G7
G6
G5
G4
G3
G2
G1
G0
R7
R6
R5
R4
R3
R2
R1
R0
R9581
0
TPD23
HD
R9579
0
RUSH_ON/OFF
TV_ON/OFF
KILL_SOS
FAN_CONT
CABLE_DET
R9565
R9595
R9596
R9597
R9541
R9542
R9543
R9544
R9545
RXD_PC
TXD_PC
RXD_TU
TXD_TU
IIC_INT
SCL1
SDA1
DTE_PC
DCE_PC
STB5
SCL1
SDA1
IICCONT
C9902
0.1
16V
C9903
16V
47
A
B
C
D
E
F
1
2
3
4

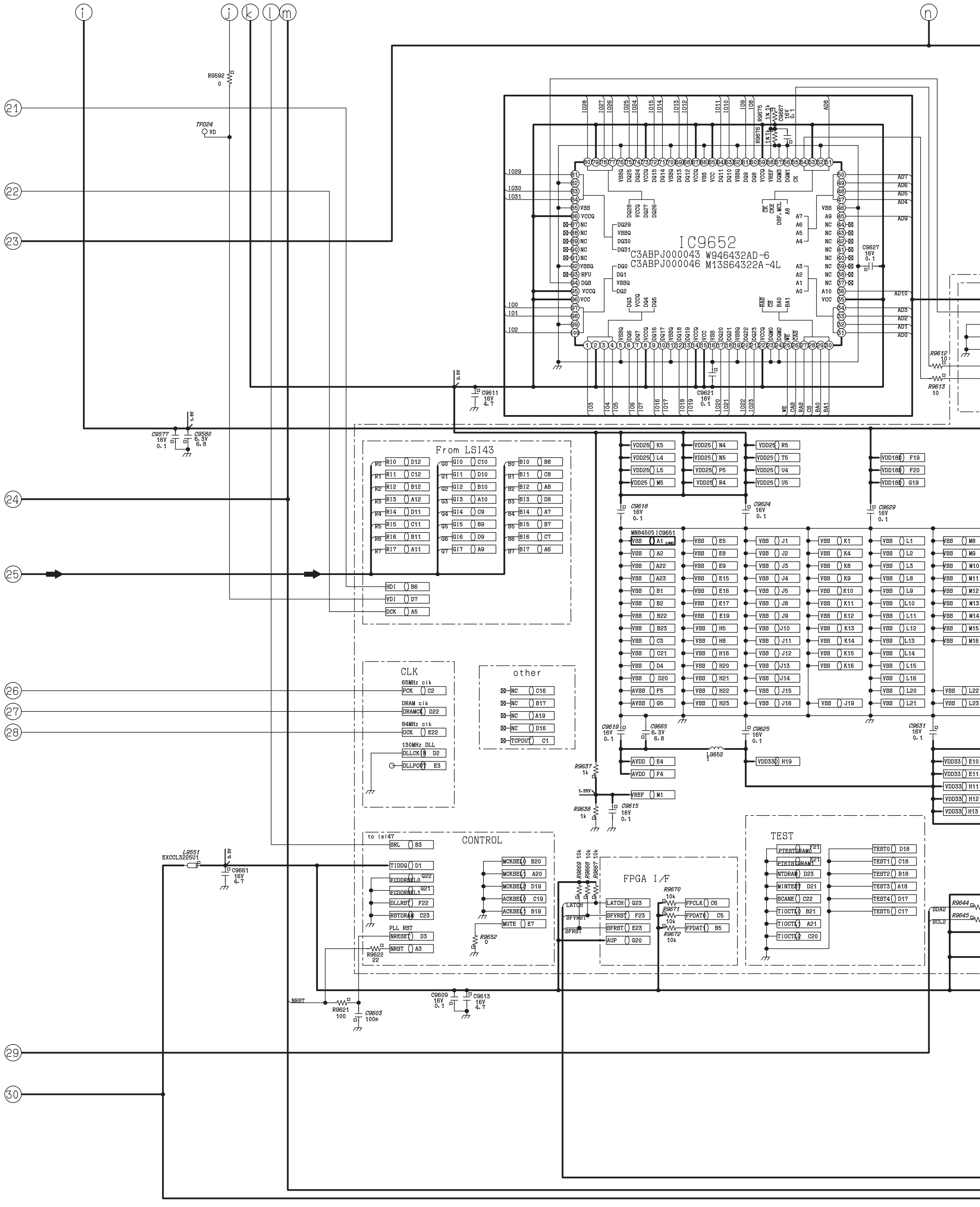
TH-42PHD5 / TH-42PHW5 D2-Board (5 of 8) Schematic Diagram


e
f
h
g
21
22
23
24
25
26
27
28
29
30
REMOCON
REMOCON_OUT
CABLE_DET
DTE_PC
DCE_PC
Q9904
2SD0601A0L
R9921 47k
R9924 10k
R9985 10k
R9923 100
C9901 0.1 16V
R9939 10k
R9546 0
R9944 10k
R9945 10k
R9936 10k
R9941 EXB38V103JV
REM_OUT
R9922 1k
IC9904
C0JBAE000146
R9935 0
R9976 100
TXD_PC
RXD_PC
SCL1
SDA1
IICCONT
IIC_INT
R9963 100
R9966 100
R9930 56
R9931 56
R9932 100
R9933 100
R9926 2.7k
R9928 2.7k
IC9900
C2BBFE000121
TVRJ748
R9981 10k
R9983 10k
C9917 33p
R9987 1M
X9901
H0J921400003
9.216M
C9918 33p
R9998 22k
C9907 0.1 16V
C9903 16V 47
R9960 10k
R9961 10k
C9923 16V 1
R9992 470k
R9934 10k
R9935 10k
C9924 0.1 16V
C9908 1000p
C9925 16V 0.1
R9997 0
R9995 10k
R9974 100
R9984 1k
C9915 0.1 16V
C9916 16V 0.056
R9942 10k
R9962
R9998
R9977
R9971
R9964 0
R9999 100
R9975 22k 1%
R9986 10k 1%
IC9902
C0EBB0000024
D9901
MA3X152K0L
R9996 1k
R9991 1k
TXD_TU
RXD_TU
C9922 16V 0.1
C9574 6.3V 6.8

TH-42PHD5 / TH-42PHW5 D2-Board (5 of 8) Schematic Diagram

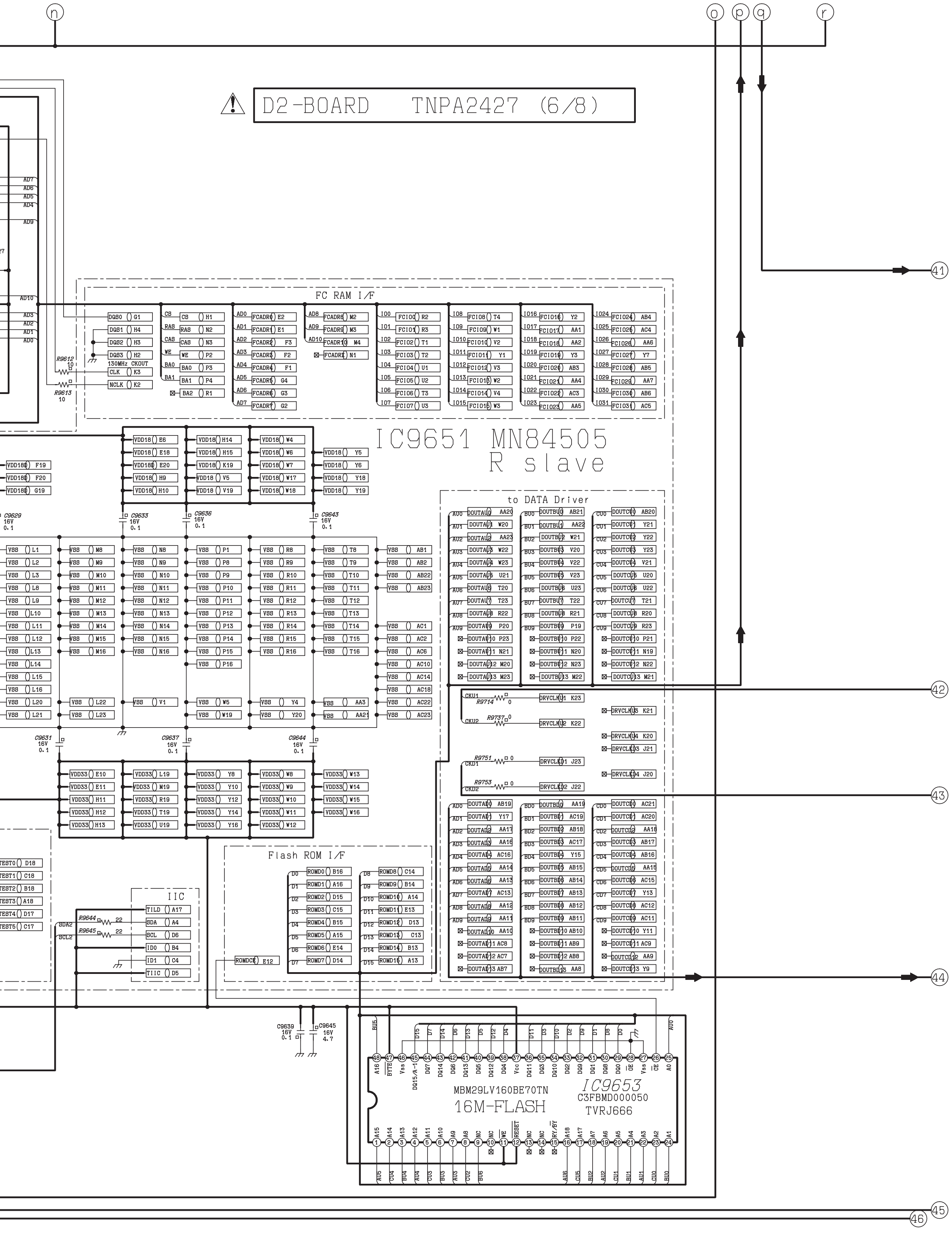
5
6
7
8
9

14.26. D2-Board (6 of 8) Schematic Diagram


i
j
k
l
m
n
21
22
23
24
25
26
27
28
29
30
R9592
0
TPD24
VD
IC9652
C3ABPJ000043 W946432AD-6
C3ABPJ000046 M13S64322A-4L
R9675
1k
R9676
1k
C9667
16V
0.1
C9627
16V
0.1
R9612
10
R9613
10
C9611
16V
4.7
C9621
16V
0.1
2.5V
1.8V
C9577
16V
0.1
C9580
6.3V
6.8
From LSI43
R0
R1
R2
R3
R4
R5
R6
R7
G0
G1
G2
G3
G4
G5
G6
G7
B0
B1
B2
B3
B4
B5
B6
B7
HDI
VDI
DCK
CLK
65MHz clk
PCK
DRAM clk
DRAMCK
84MHz clk
OCK
130MHz DLL
DLLCKIN
DLLPOUT
other
NC
TCPOUT
MN84505 IC9651
VSS
AVSS
VDD25
VDD18
VDD33
AVDD
VREF
C9618
16V
0.1
C9624
16V
0.1
C9629
16V
0.1
C9619
16V
0.1
C9665
6.3V
6.8
C9625
16V
0.1
C9631
16V
0.1
L9652
R9637
1k
R9638
1k
1.25V
C9615
16V
0.1
to lsi47
CONTROL
SRL
TIDDQ
FCDDRSEL0
FCDDRSEL1
DLLRST
RSTDRAM
PLL RST
NRESET
NRST
MCKSEL0
MCKSEL1
MCKSEL2
ACKSEL0
ACKSEL1
MUTE
R9652
0
R9622
22
L9551
EXCCL3225U1
3.3V
C9661
16V
4.7
FPGA I/F
LATCH
SFVRST
SFRST
AUP
FPCLK
FPDAT0
FPDAT1
R9669 10k
R9668 10k
R9667 10k
R9670
10k
R9671
10k
R9672
10k
TEST
PTESTDRAM0
PTESTDRAM1
NTDRAM
MINTEST
SCANE
TIOCTL0
TIOCTL1
TIOCTL2
TEST0
TEST1
TEST2
TEST3
TEST4
TEST5
SDA2
SCL2
R9644
R9645
C9609
16V
0.1
C9613
16V
4.7
NRST
R9621
100
C9603
100P

TH-42PHD5 / TH-42PHW5 D2-Board (6 of 8) Schematic Diagram

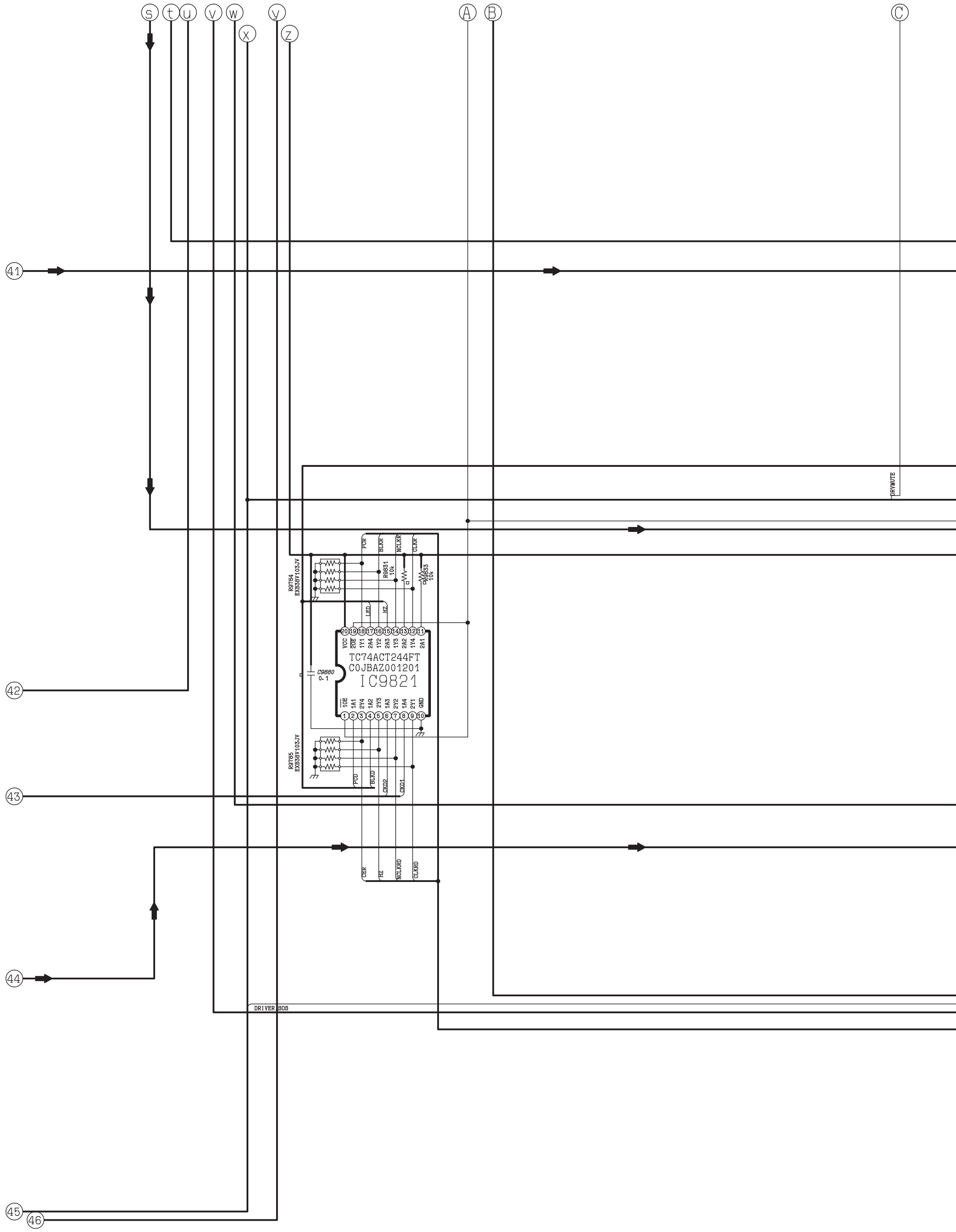
9 10 11 12 13


D2-BOARD TNPA2427 (6/8)
IC9651 MN84505
R slave
FC RAM I/F
to DATA Driver
Flash ROM I/F
IIC
IC9653
MBM29LV160BE70TN
16M-FLASH
C3FBMD000050
TVRJ666
n
o
p
q
r
41
42
43
44
45
46

TH-42PHD5 / TH-42PHW5 D2-Board (6 of 8) Schematic Diagram

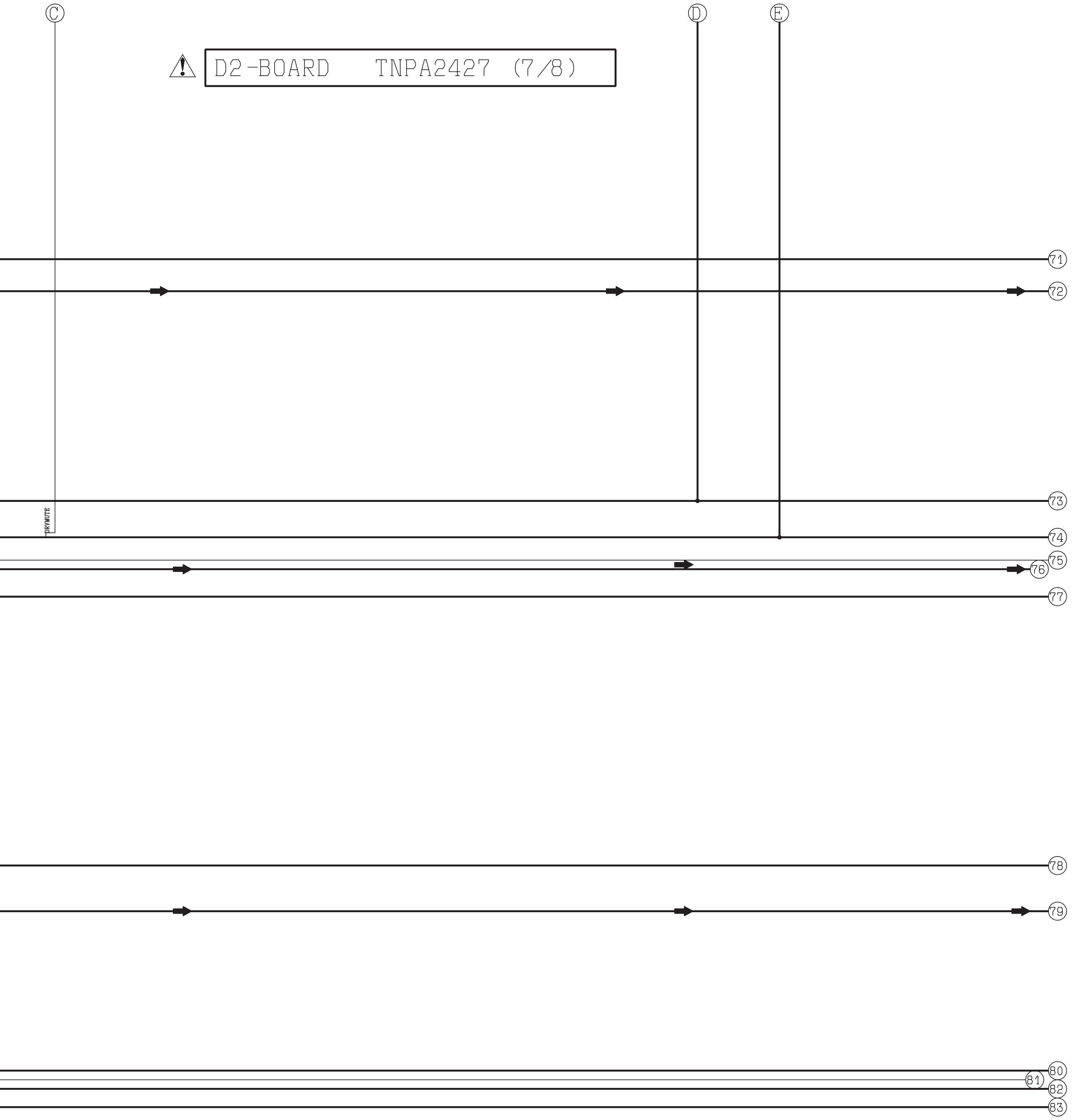
14 15 16 17

14.27. D2-Board (7 of 8) Schematic Diagram


s
t
u
v
w
x
y
z
A
B
C
41
42
43
44
45
46
DRVMUTE
DRIVER_909
PCR
BLKR
NCLKR
CLKR
R9831
10k
R9833
10k
R9784
EXB38V103JV
LED
HZ
20
19
18
17
16
15
14
13
12
11
VCC
2OE
1Y1
2A4
1Y2
2A3
1Y3
2A2
1Y4
2A1
TC74ACT244FT
C0JBAZ001201
IC9821
C9880
0.1
1OE
1A1
2Y4
1A2
2Y3
1A3
2Y2
1A4
2Y1
GND
1
2
3
4
5
6
7
8
9
10
R9785
EXB38V103JV
PCD
BLKD
CKD2
CKD1
CER
HZ
NCLKRD
CLKRD

TH-42PHD5 / TH-42PHW5 D2-Board (7 of 8) Schematic Diagram

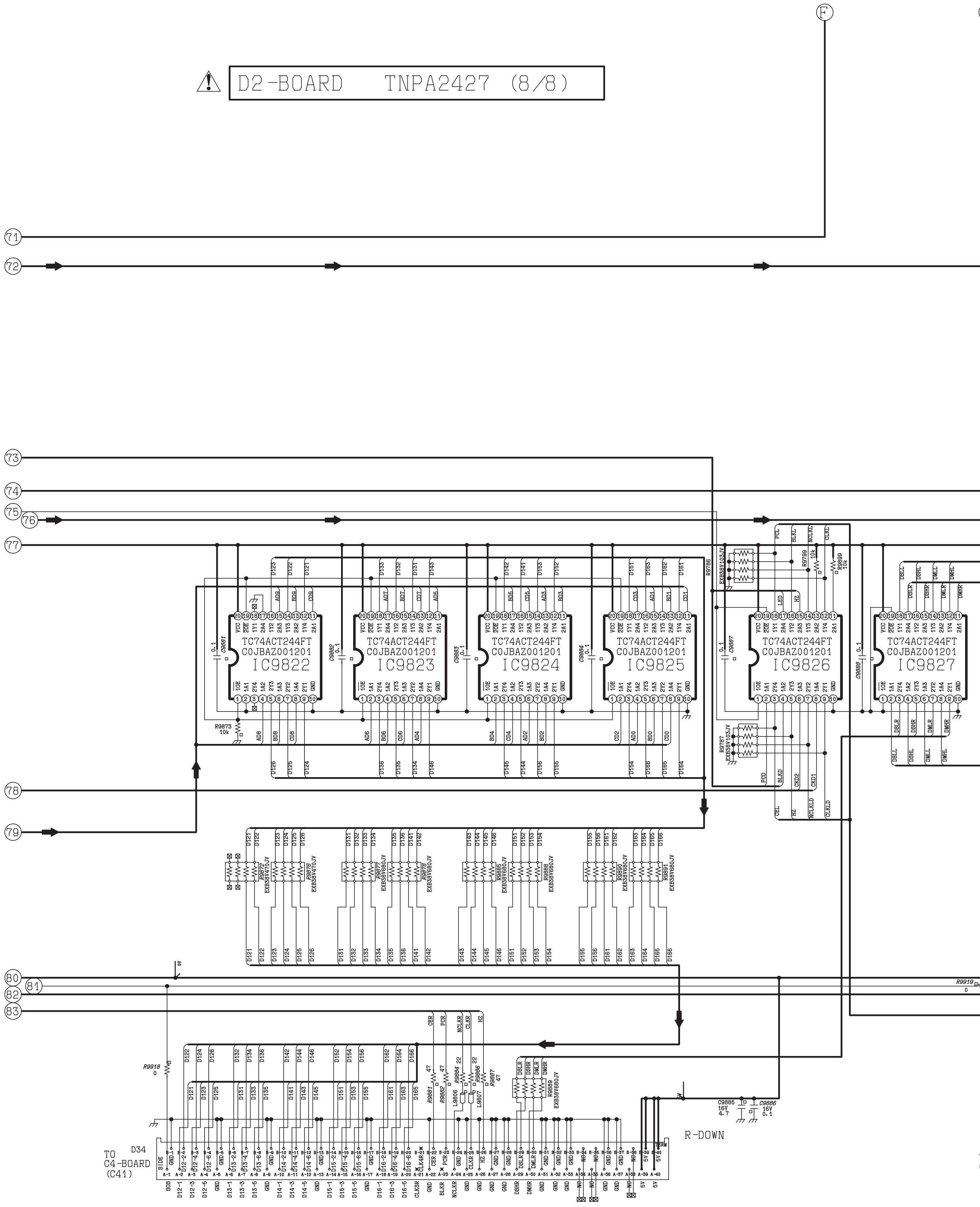
18
19
20
21


C
D
E
⚠ D2-BOARD TNPA2427 (7/8)
71
72
73
DRVMUTE
74
75
76
77
78
79
80
81
82
83

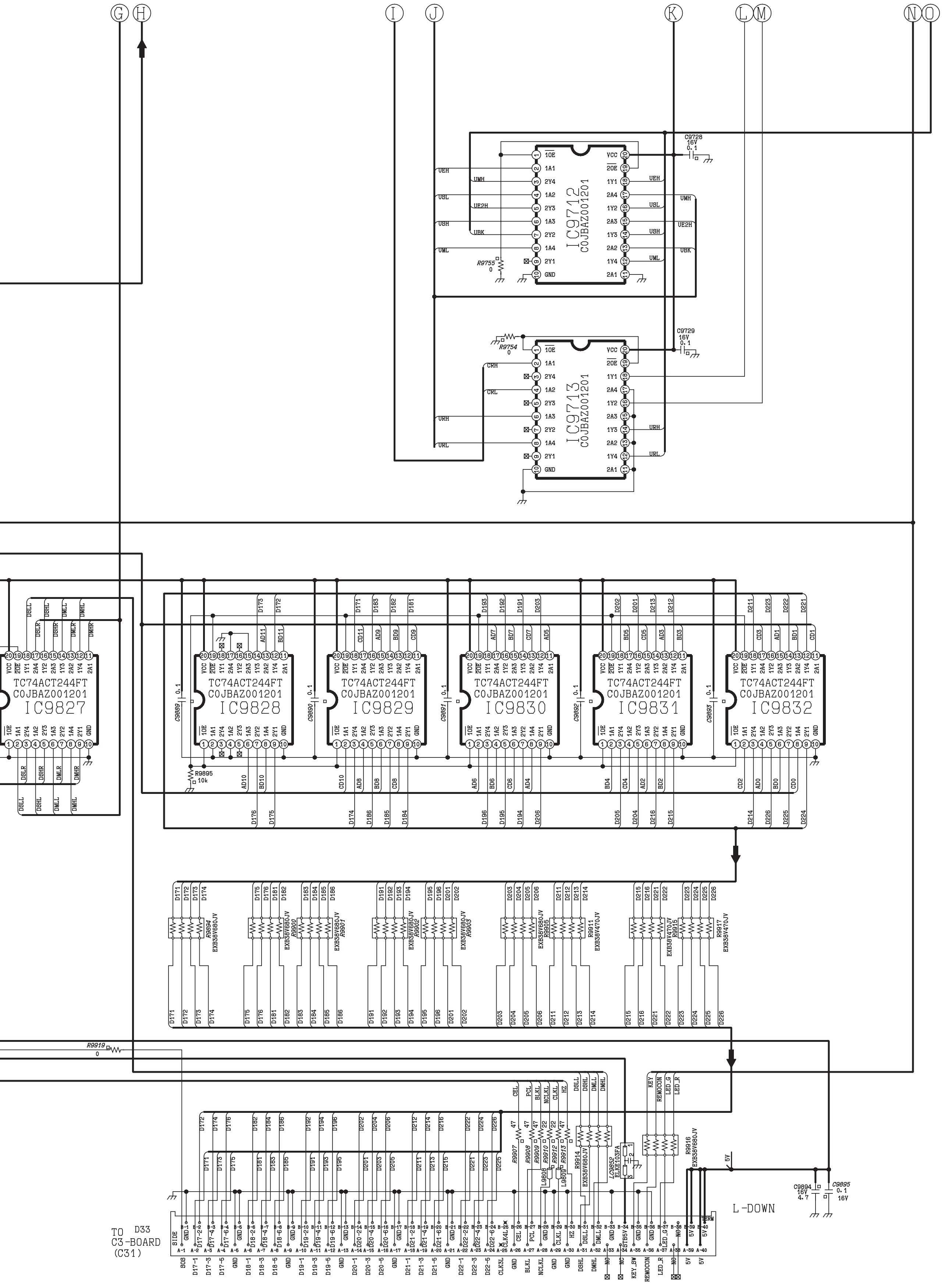
TH-42PHD5 / TH-42PHW5 D2-Board (7 of 8) Schematic Diagram

22 23 24 25 26

14.28. D2-Board (8 of 8) Schematic Diagram


D2-BOARD TNPA2427 (8/8)
F
71
72
73
74
75
76
77
78
79
80
81
82
83
TC74ACT244FT
C0JBAZ001201
IC9822
IC9823
IC9824
IC9825
IC9826
IC9827
C9881 0.1
C9882 0.1
C9883 0.1
C9884 0.1
C9887 0.1
C9888 0.1
R9873 10k
R9786 EXB38V103JV
R9787 EXB38V103JV
R9799 10k
R9899 10k
R9875 EXB38V470JV
R9876 EXB38V470JV
R9877 EXB38V680JV
R9878 EXB38V680JV
R9888 EXB38V680JV
R9889 EXB38V680JV
R9890 EXB38V680JV
R9891 EXB38V680JV
R9918 0
R9919 0
R9881 47
R9882 47
R9884 22
R9886 22
R9887 47
L9806
L9807
C9885 16V 4.7
C9886 16V 0.1
5V
R-DOWN
TO C4-BOARD (C41)
D34
26
27
28
29
30

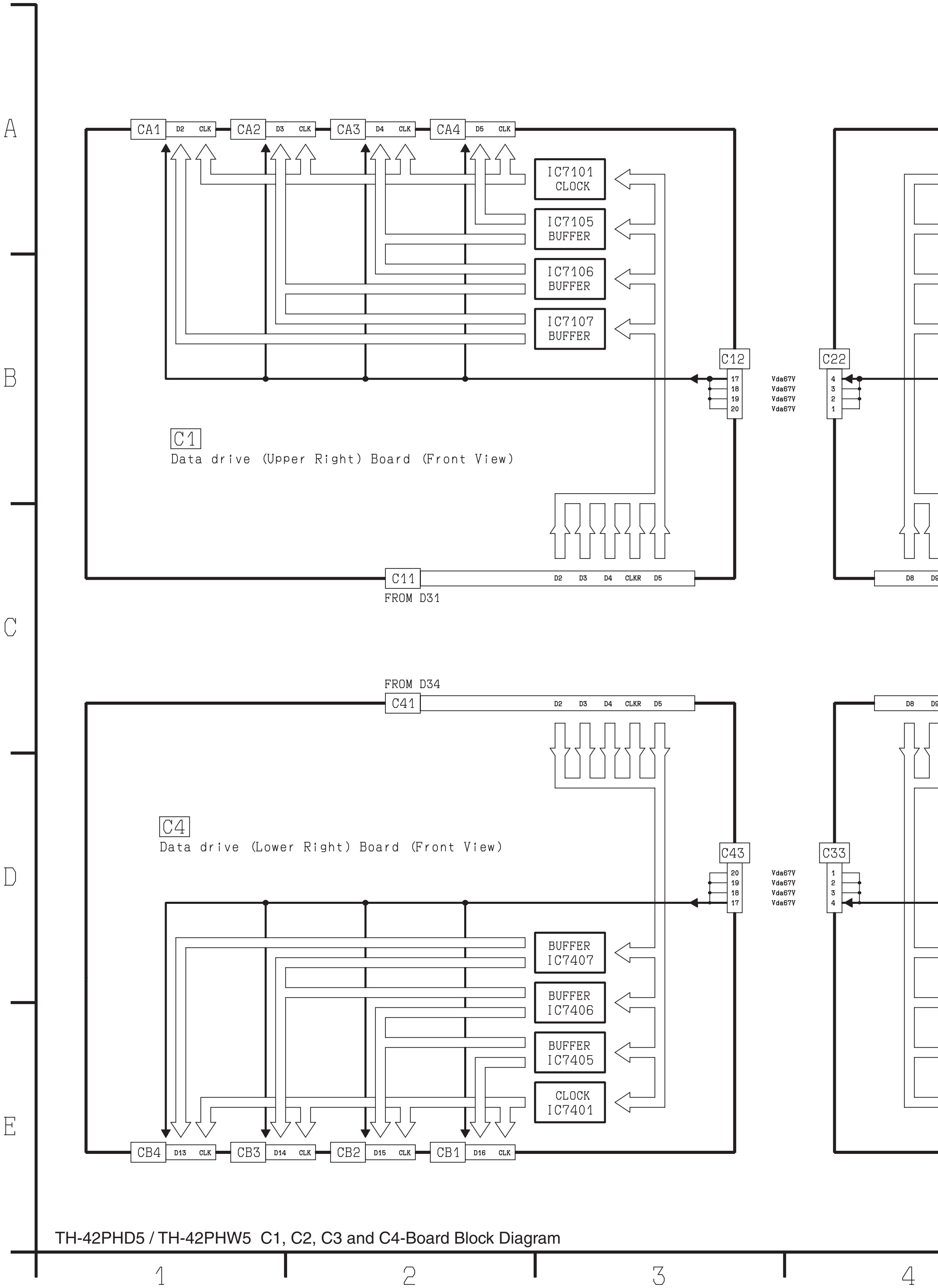
TH-42PHD5 / TH-42PHW5 D2-Board (8 of 8) Schematic Diagram


G
H
I
J
K
L
M
N
O
IC9712
C0JBAZ001201
C9728
16V
0.1
R9755
0
UEH
UMH
USL
UE2H
USH
UBK
UML
IC9713
C0JBAZ001201
C9729
16V
0.1
R9754
0
CRH
CRL
URH
URL
TC74ACT244FT
C0JBAZ001201
IC9827
IC9828
IC9829
IC9830
IC9831
IC9832
C9889
C9890
C9891
C9892
C9893
R9895
10k
R9894
EXB38V680JV
R9900
R9901
R9902
R9903
R9905
R9911
R9915
EXB38V470JV
R9917
R9919
0
R9907
R9908
R9909
R9910
R9912
R9913
R9914
L9808
L9809
LC9852
ELKE103FA
R9916
EXB38V680JV
5V
C9894
16V
4.7
C9895
0.1
16V
L-DOWN
TO
C3-BOARD
(C31)
D33
CEL
PCL
BLKL
NCLKL
CLKL
HZ
DSLL
DSHL
DMLL
DMHL
KEY
REMOCON
LED_G
LED_R
BGS
KEY_SW

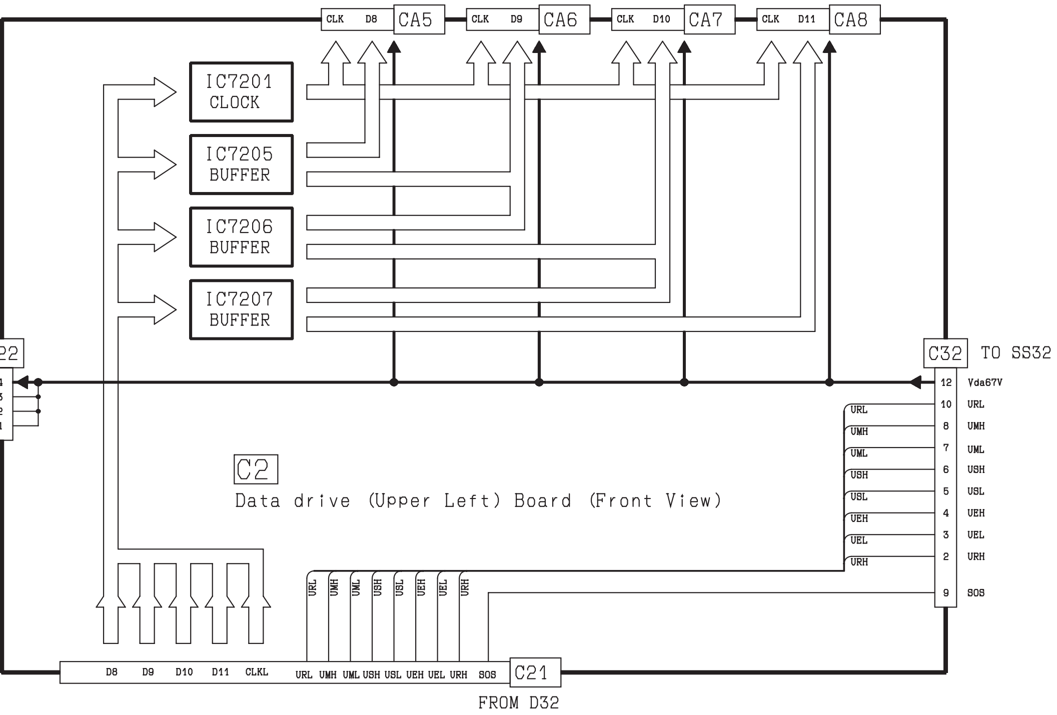
TH-42PHD5 / TH-42PHW5 D2-Board (8 of 8) Schematic Diagram

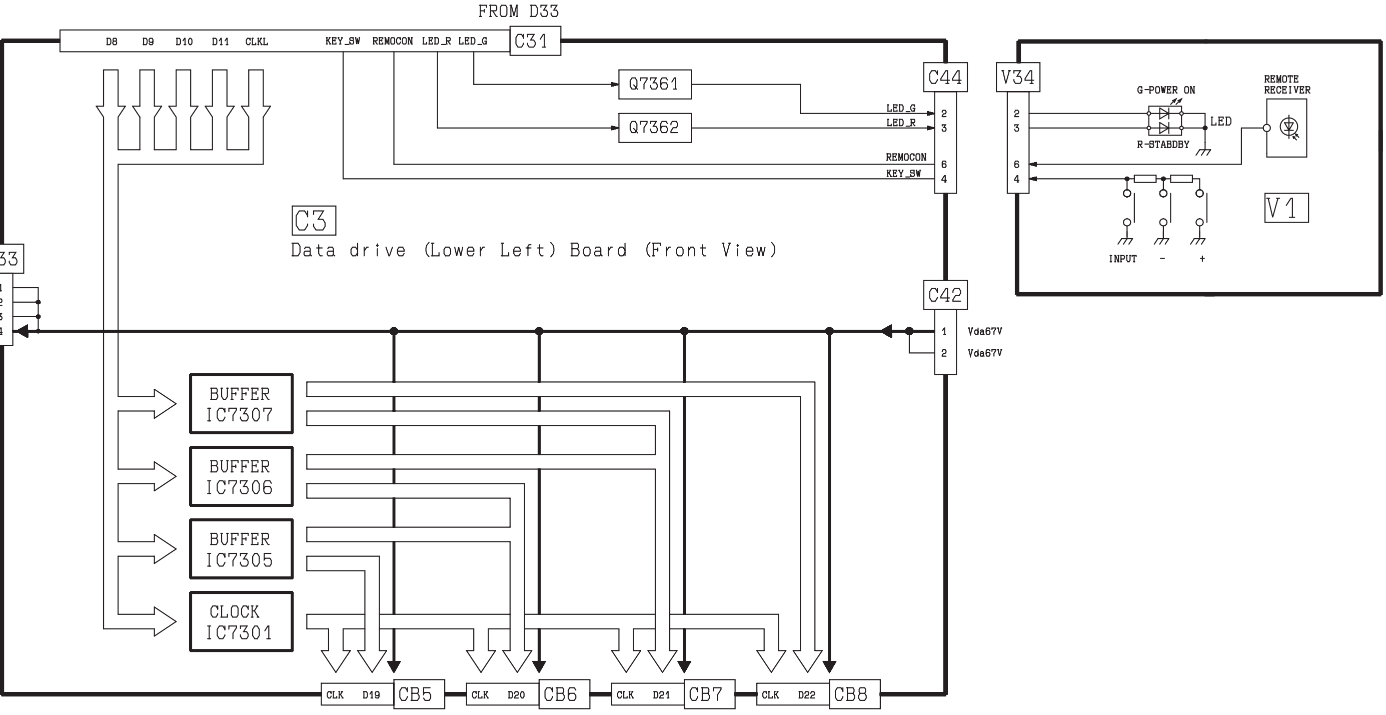
31 32 33 34

14.29. C1, C2, C3, and C4-Board Block Diagram


A
B
C
D
E
1
2
3
4
CA1
D2
CLK
CA2
D3
CLK
CA3
D4
CLK
CA4
D5
CLK
IC7101
CLOCK
IC7105
BUFFER
IC7106
BUFFER
IC7107
BUFFER
C12
C22
17
18
19
20
Vda67V
Vda67V
Vda67V
Vda67V
4
3
2
1
C1
Data drive (Upper Right) Board (Front View)
C11
D2
D3
D4
CLKR
D5
FROM D31
D8
FROM D34
C41
D2
D3
D4
CLKR
D5
D8
C4
Data drive (Lower Right) Board (Front View)
C43
C33
20
19
18
17
Vda67V
Vda67V
Vda67V
Vda67V
1
2
3
4
BUFFER
IC7407
BUFFER
IC7406
BUFFER
IC7405
CLOCK
IC7401
CB4
D13
CLK
CB3
D14
CLK
CB2
D15
CLK
CB1
D16
CLK

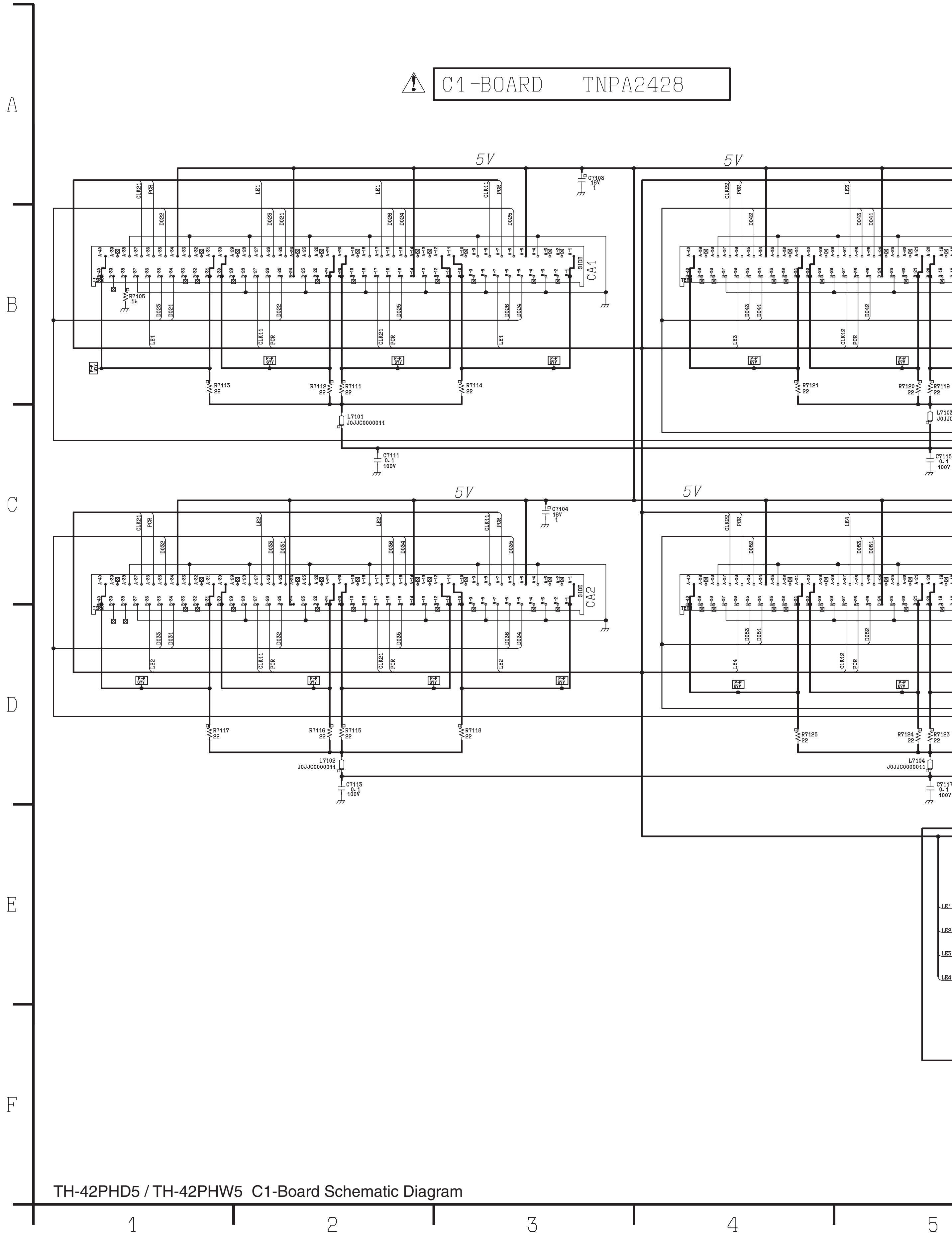
TH-42PHD5 / TH-42PHW5 C1, C2, C3 and C4-Board Block Diagram


CLK D8 CA5
CLK D9 CA6
CLK D10 CA7
CLK D11 CA8
IC7201 CLOCK
IC7205 BUFFER
IC7206 BUFFER
IC7207 BUFFER
22
C32 TO SS32
12 Vda67V
10 URL
8 UMH
7 UML
6 USH
5 USL
4 UEH
3 UEL
2 URH
9 SOS
URL UMH UML USH USL UEH UEL URH
C2
Data drive (Upper Left) Board (Front View)
URL UMH UML USH USL UEH UEL URH
D8 D9 D10 D11 CLKL URL UMH UML USH USL UEH UEL URH SOS C21
FROM D32

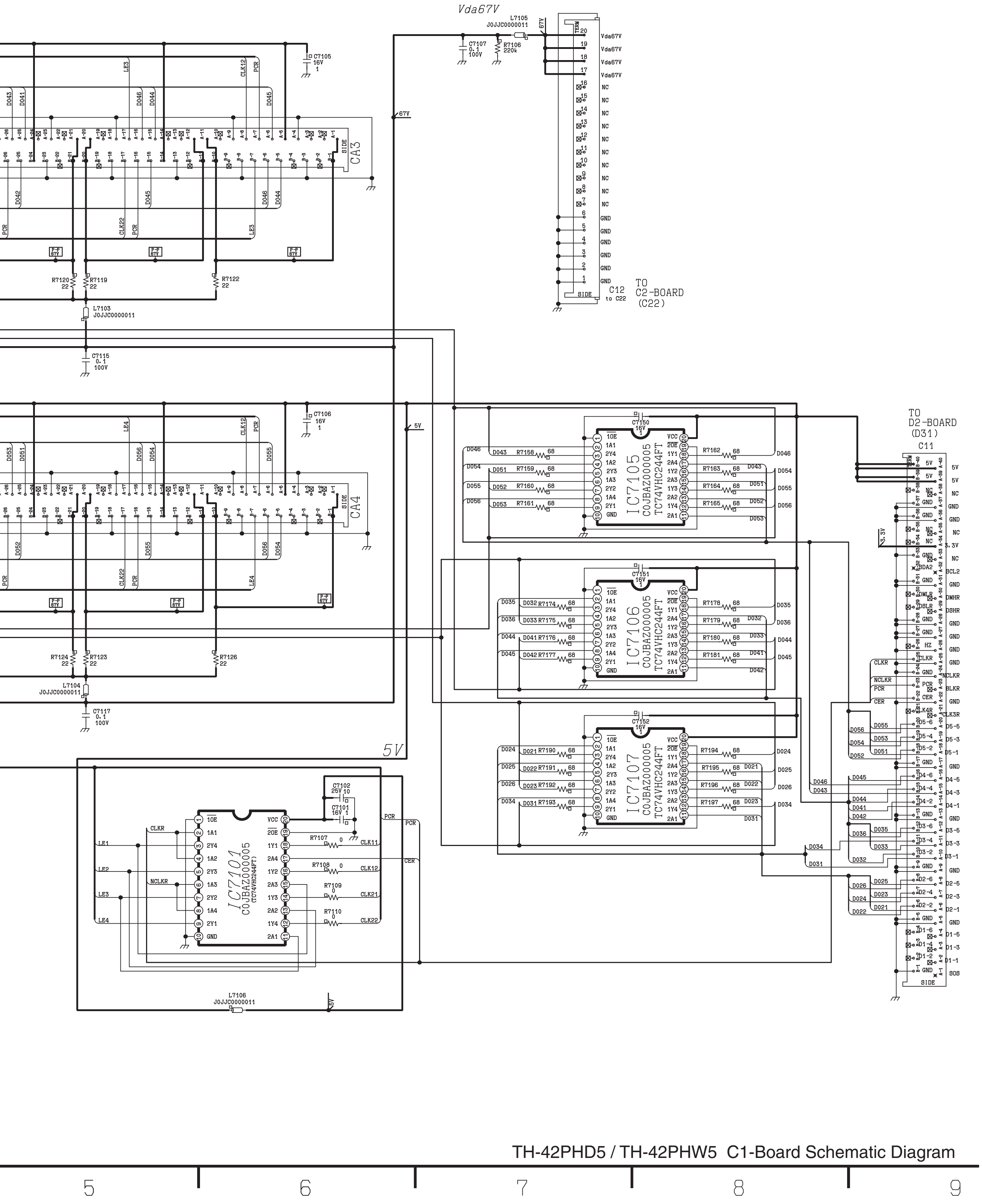

FROM D33
D8 D9 D10 D11 CLKL KEY_SW REMOCON LED_R LED_G C31
Q7361
Q7362
C44
LED_G 2
LED_R 3
REMOCON 6
KEY_SW 4
V34
2 3 6 4
G-POWER ON
R-STABDBY
LED
REMOTE RECEIVER
INPUT - +
V1
C3
Data drive (Lower Left) Board (Front View)
33
C42
1 Vda67V
2 Vda67V
BUFFER IC7307
BUFFER IC7306
BUFFER IC7305
CLOCK IC7301
CLK D19 CB5
CLK D20 CB6
CLK D21 CB7
CLK D22 CB8

TH-42PHD5 / TH-42PHW5 C1, C2, C3 and C4-Board Block Diagram

14.30. C1-Board Schematic Diagram

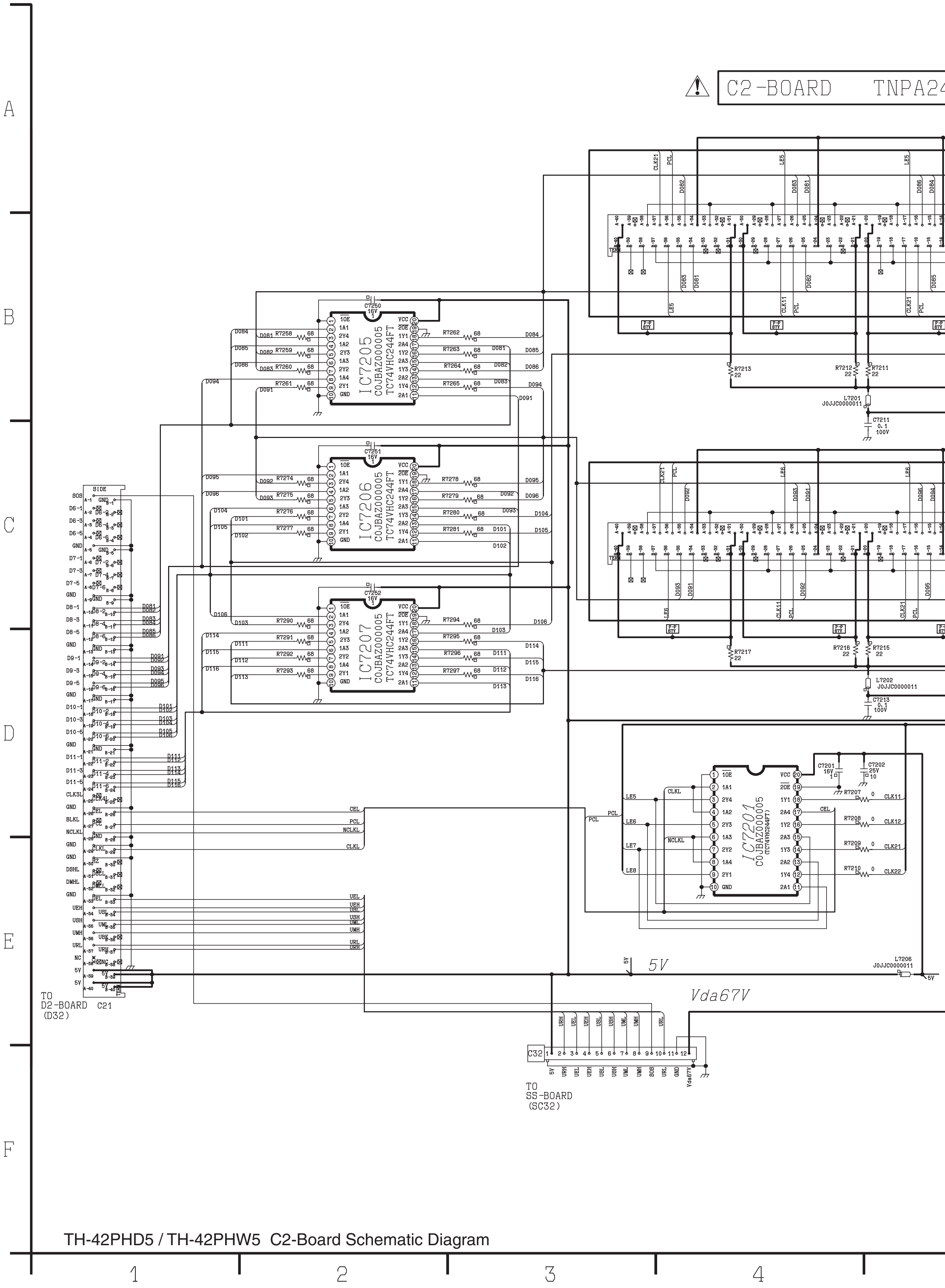

C1-BOARD TNPA2428
5V
C7103
16V
1
C7104
16V
1
CA1
CA2
SIDE
TERM
CLK21
CLK11
CLK22
CLK12
PCR
LE1
LE2
LE3
LE4
D021
D022
D023
D024
D025
D026
D031
D032
D033
D034
D035
D036
D041
D042
D043
D051
D052
D053
P-P
STY
R7105
1k
R7113
22
R7112
22
R7111
22
R7114
22
R7117
22
R7116
22
R7115
22
R7118
22
R7121
22
R7120
22
R7119
22
R7125
22
R7124
22
R7123
22
L7101
J0JJC0000011
L7102
J0JJC0000011
L7104
J0JJC0000011
C7111
0.1
100V
C7113
0.1
100V
A
B
C
D
E
F
1
2
3
4
5

TH-42PHD5 / TH-42PHW5 C1-Board Schematic Diagram

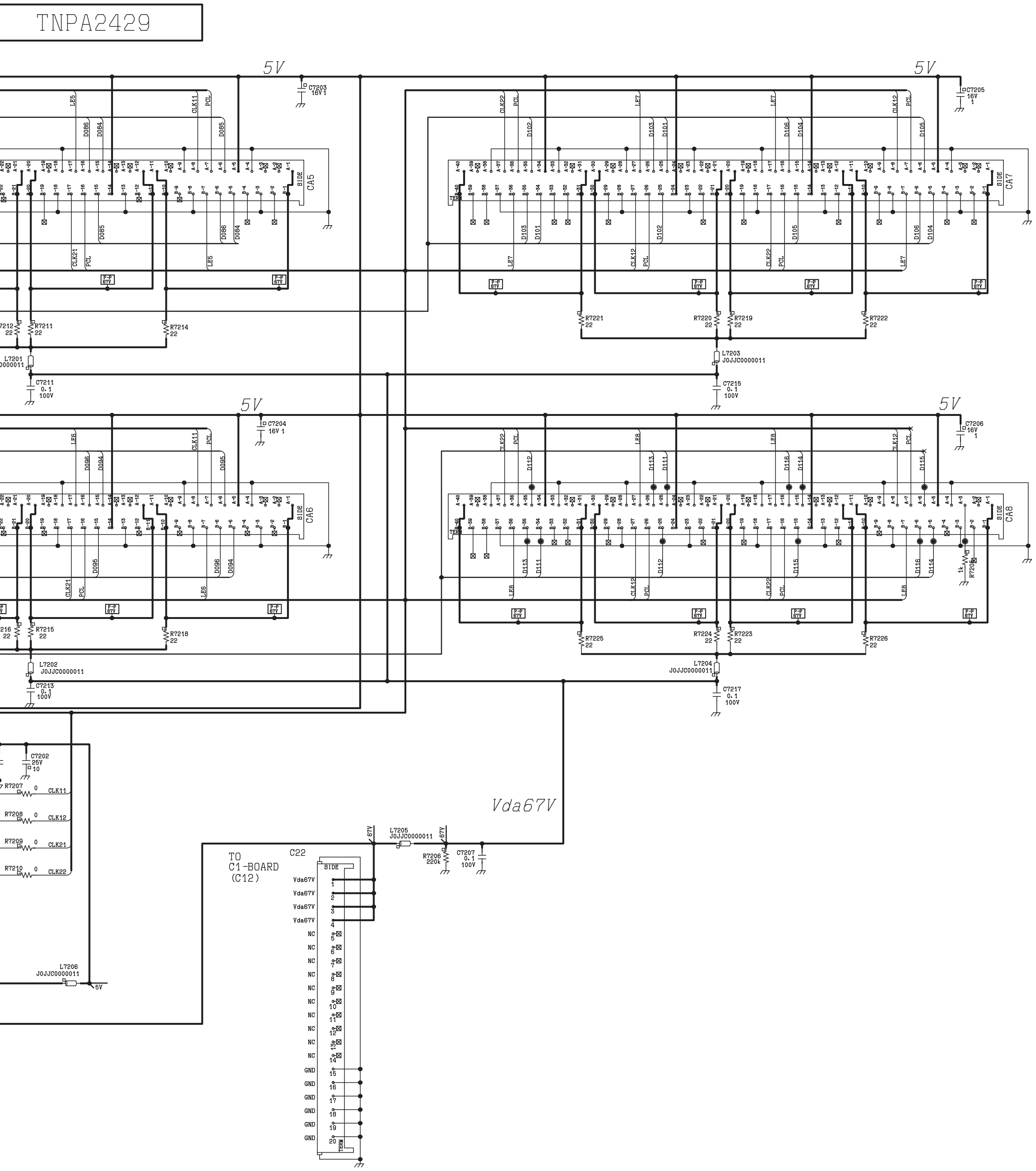

Vda67V
L7105
J0JJC0000011
C7107
0.1
100V
R7106
220k
67V
C7105
16V
1
TERM
Vda67V
NC
GND
SIDE
C12
to C22
TO
C2-BOARD
(C22)
CA3
CA4
LE3
LE4
CLK12
CLK22
PCR
R7120
22
R7119
22
R7122
22
L7103
J0JJC0000011
C7115
0.1
100V
C7106
16V
1
5V
R7124
22
R7123
22
R7126
22
L7104
J0JJC0000011
C7117
0.1
100V
C7150
16V
IC7105
C0JBAZ000005
TC74VHC244FT
C7151
16V
IC7106
C0JBAZ000005
TC74VHC244FT
C7152
16V
IC7107
C0JBAZ000005
TC74VHC244FT
R7158
R7159
R7160
R7161
R7162
R7163
R7164
R7165
R7174
R7175
R7176
R7177
R7178
R7179
R7180
R7181
R7190
R7191
R7192
R7193
R7194
R7195
R7196
R7197
68
1OE
1A1
2Y4
1A2
2Y3
1A3
2Y2
1A4
2Y1
GND
VCC
2OE
1Y1
2A4
1Y2
2A3
1Y3
2A2
1Y4
2A1
TO
D2-BOARD
(D31)
C11
5V
3.3V
GND
NC
BCL2
SDA2
DMHR
DSHR
HZ
CLKR
NCLKR
BLKR
CLK3R
CER
SOS
SIDE
5V
C7102
25V 10
C7101
16V 1
IC7101
C0JBAZ000005
(TC74VHC244FT)
CLKR
NCLKR
LE1
LE2
LE3
LE4
R7107
0
R7108
0
R7109
0
R7110
0
CLK11
CLK12
CLK21
CLK22
PCR
CER
L7106
J0JJC0000011
5
6
7
8
9

TH-42PHD5 / TH-42PHW5 C1-Board Schematic Diagram

14.31. C2-Board Schematic Diagram

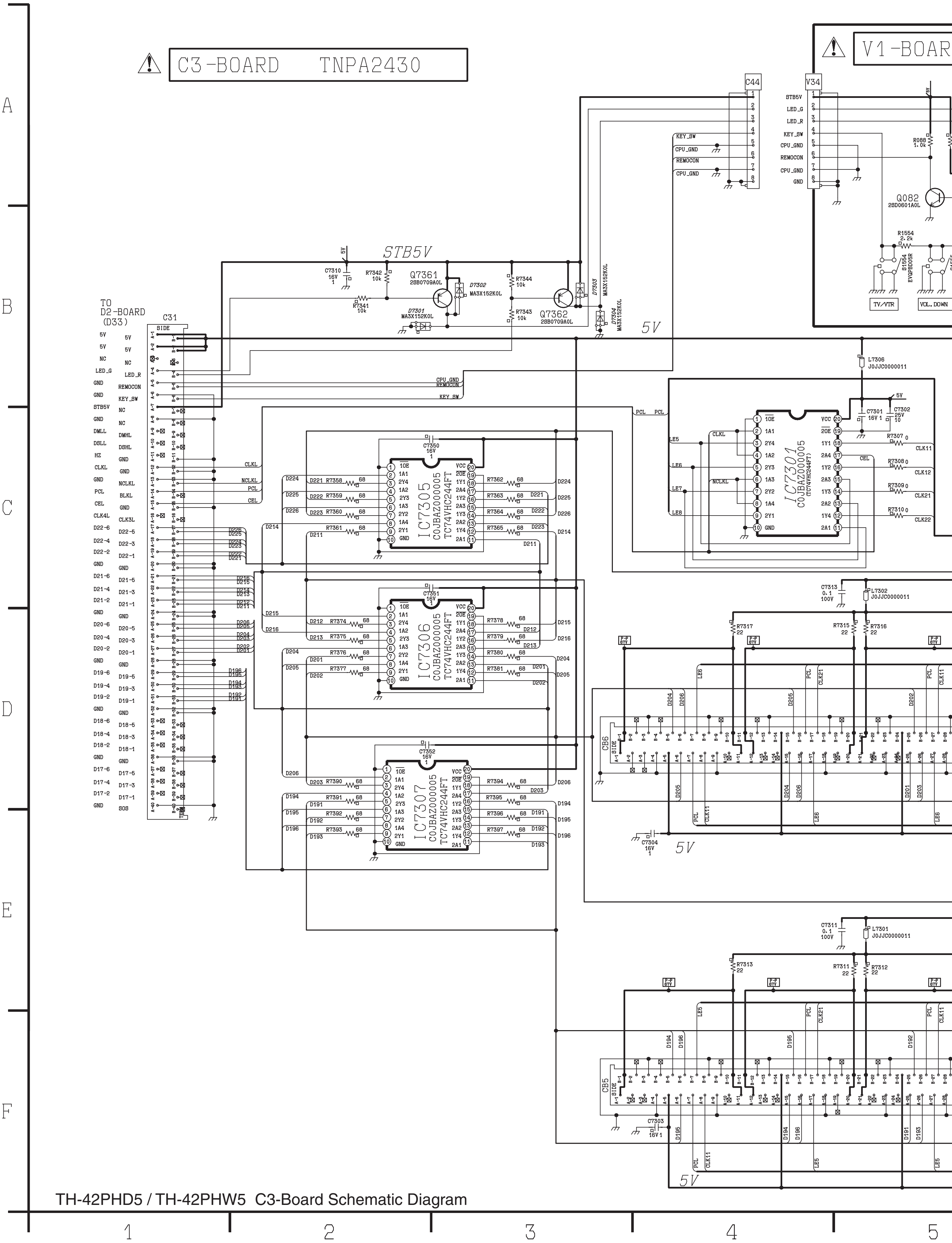

A
B
C
D
E
F
1
2
3
4
C2-BOARD TNPA24
IC7205
C0JBAZ000005
TC74VHC244FT
IC7206
C0JBAZ000005
TC74VHC244FT
IC7207
C0JBAZ000005
TC74VHC244FT
IC7201
C0JBAZ000005
(TC74VHC244FT)
C7250 16V 1
C7251 16V 1
C7252 16V 1
C7201 16V 1
C7202 25V 10
C7211 0.1 100V
C7213 0.1 100V
L7201 J0JJC0000011
L7202 J0JJC0000011
L7206 J0JJC0000011
R7211 22
R7212 22
R7213 22
R7215 22
R7216 22
R7217 22
R7207 0
R7208 0
R7209 0
R7210 0
R7258 68
R7259 68
R7260 68
R7261 68
R7262 68
R7263 68
R7264 68
R7265 68
R7274 68
R7275 68
R7276 68
R7277 68
R7278 68
R7279 68
R7280 68
R7281 68
R7290 68
R7291 68
R7292 68
R7293 68
R7294 68
R7295 68
R7296 68
R7297 68
SIDE
TO
D2-BOARD C21
(D32)
C32
TO
SS-BOARD
(SC32)
5V
Vda67V
CLK11
CLK12
CLK21
CLK22
LE5
LE6
LE7
LE8
PCL
CEL
CLKL
NCLKL
TERM

TH-42PHD5 / TH-42PHW5 C2-Board Schematic Diagram

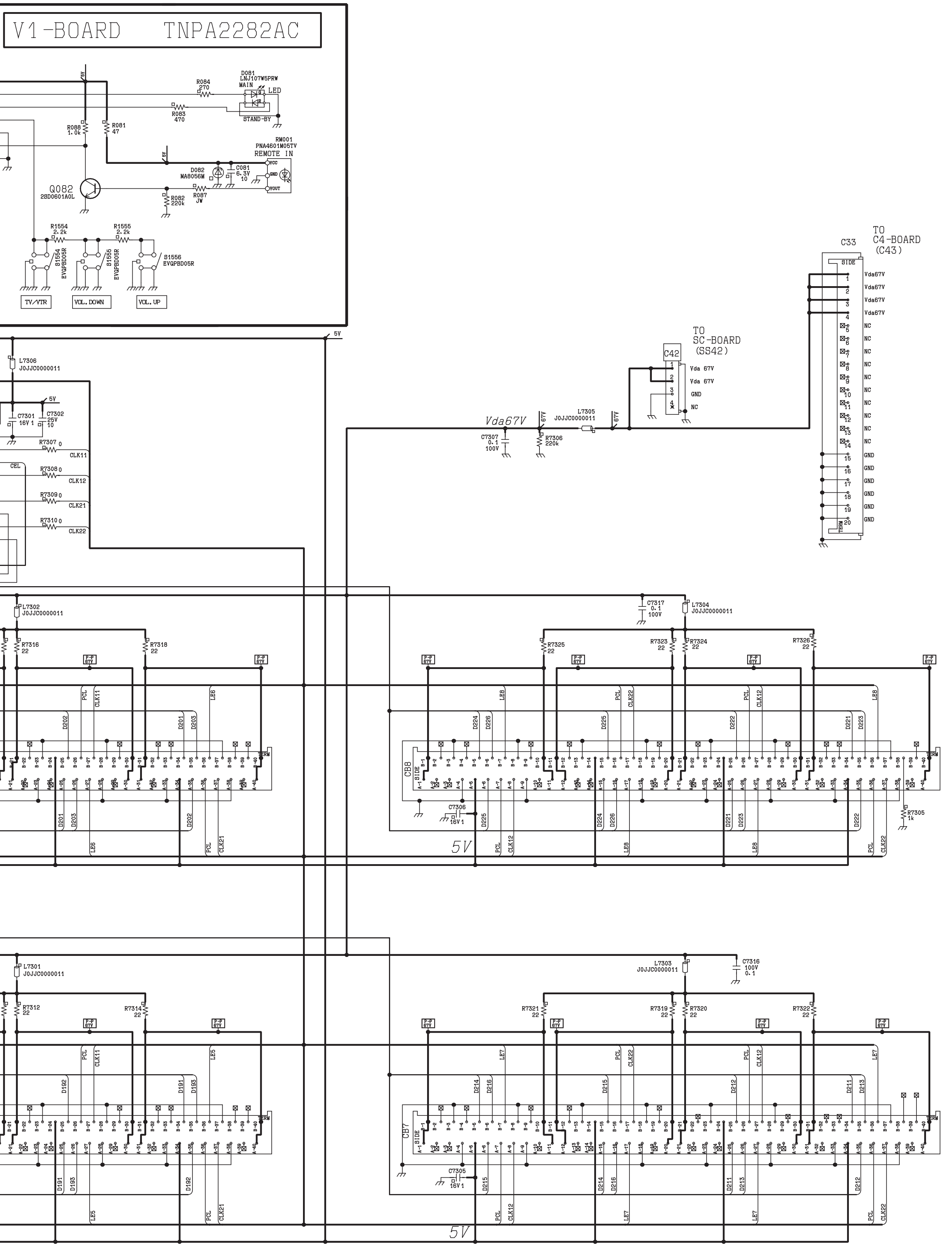

TNPA2429
5V
C7203 16V 1
C7205 16V 1
C7204 16V 1
C7206 16V 1
CA5
CA6
CA7
CA8
SIDE
TERM
LE5
LE6
LE7
LE8
CLK11
CLK12
CLK21
CLK22
PCL
D084
D085
D086
D094
D095
D096
D101
D102
D103
D104
D105
D106
D111
D112
D113
D114
D115
D116
R7211 22
R7212 22
R7214 22
R7215 22
R7216 22
R7218 22
R7219 22
R7220 22
R7221 22
R7222 22
R7223 22
R7224 22
R7225 22
R7226 22
R7228 1k
L7201 J0JJC0000011
L7202 J0JJC0000011
L7203 J0JJC0000011
L7204 J0JJC0000011
L7205 J0JJC0000011
L7206 J0JJC0000011
C7211 0.1 100V
C7213 0.1 100V
C7215 0.1 100V
C7217 0.1 100V
C7202 25V 10
C7207 0.1 100V
R7206 220k
R7207 0 CLK11
R7208 0 CLK12
R7209 0 CLK21
R7210 0 CLK22
Vda67V
67V
TO C1-BOARD (C12)
C22
Vda67V 1
Vda67V 2
Vda67V 3
Vda67V 4
NC 5
NC 6
NC 7
NC 8
NC 9
NC 10
NC 11
NC 12
NC 13
NC 14
GND 15
GND 16
GND 17
GND 18
GND 19
GND 20
5 6 7 8 9

TH-42PHD5 / TH-42PHW5 C2-Board Schematic Diagram

14.32. C3-Board Schematic Diagram

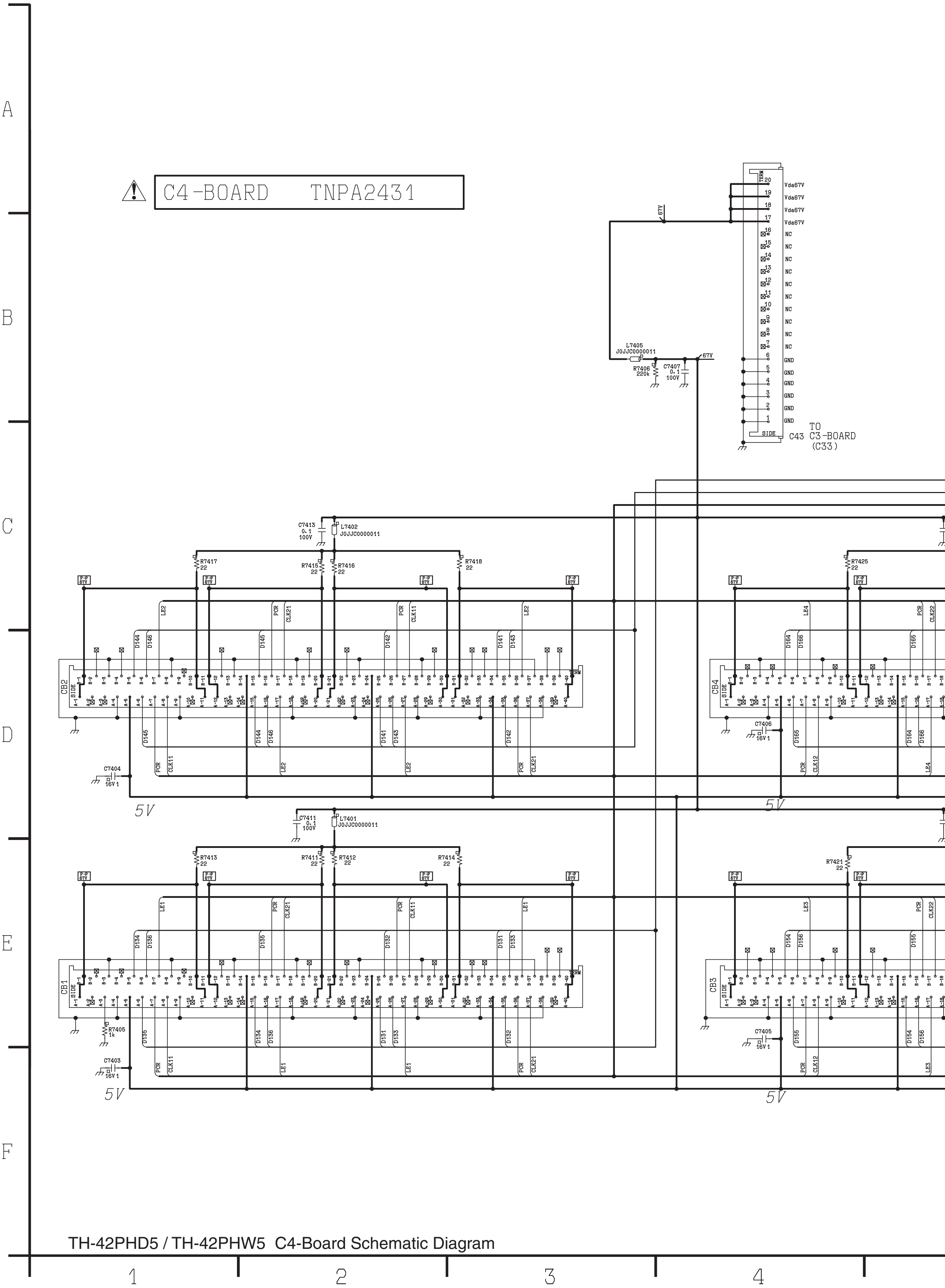

C3-BOARD TNPA2430
V1-BOAR
TO D2-BOARD (D33)
C31
C44
V34
STB5V
5V
Q7361 2SB0709A0L
Q7362 2SB0709A0L
Q082 2SD0601A0L
D7301 MA3X152K0L
D7302 MA3X152K0L
D7303 MA3X152K0L
D7304 MA3X152K0L
C7310 16V 1
R7342 10k
R7341 10k
R7344 10k
R7343 10k
R088 1.0k
R1554 2.2k
S1554 EVQPB005R
TV/VTR
VOL.DOWN
L7306 J0JJC0000011
IC7301 C0JBAZ000005 (TC74VHC244FT)
IC7305 C0JBAZ000005 TC74VHC244FT
IC7306 C0JBAZ000005 TC74VHC244FT
IC7307 C0JBAZ000005 TC74VHC244FT
C7350 16V 1
C7351 16V 1
C7352 16V 1
C7301 16V 1
C7302 25V 10
C7313 0.1 100V
L7302 J0JJC0000011
C7311 0.1 100V
L7301 J0JJC0000011
C7304 16V 1
C7303 16V 1
CB6
CB5
KEY_SW
CPU_GND
REMOCON
LED_G
LED_R
CLKL
NCLKL
PCL
CEL
CLK11
CLK12
CLK21
CLK22
LE5
LE6
LE7
LE8
A
B
C
D
E
F
1
2
3
4
5

TH-42PHD5 / TH-42PHW5 C3-Board Schematic Diagram

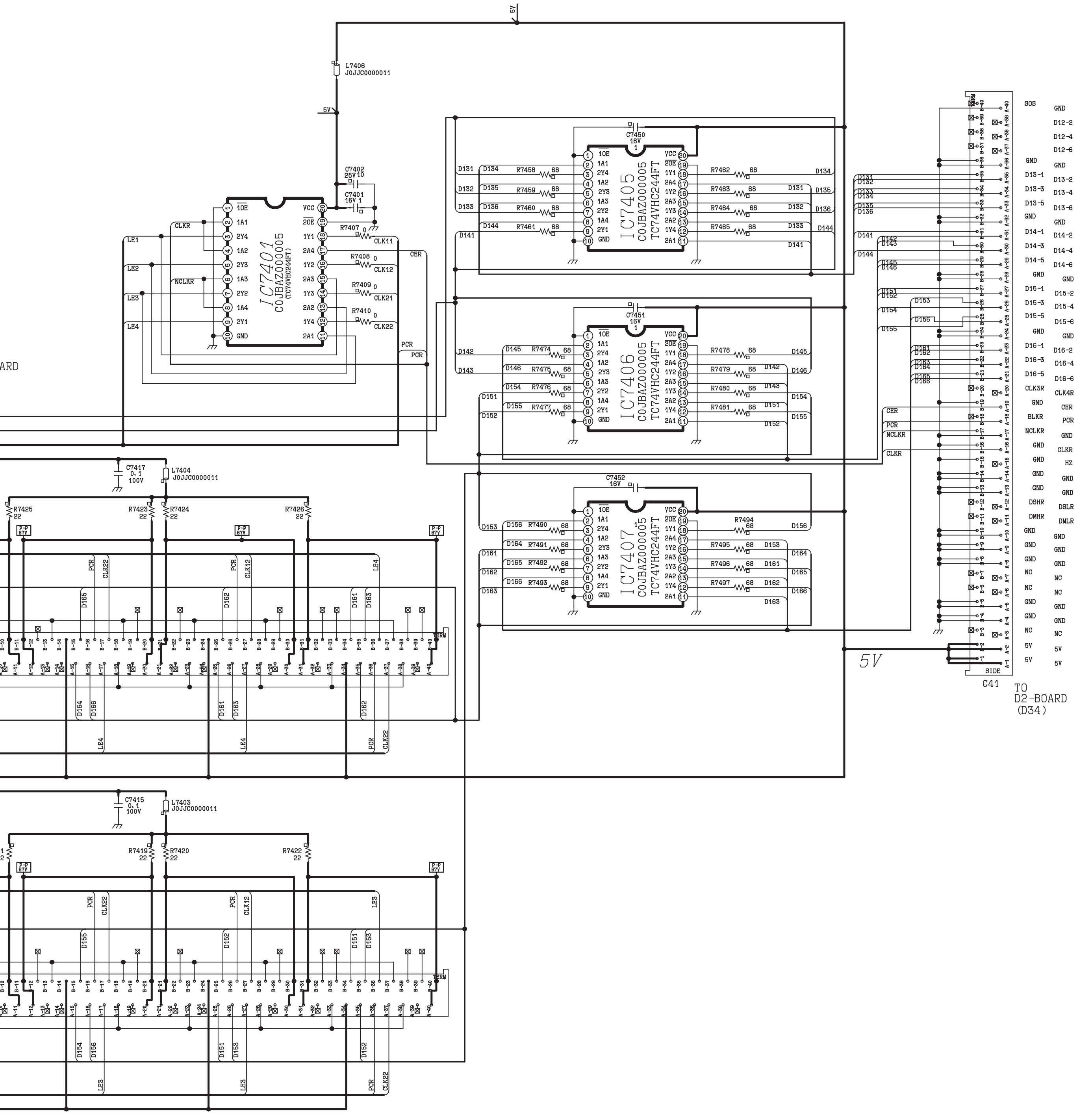

V1-BOARD TNPA2282AC
D081 LNJ107W5PRW MAIN
LED
R084 270
R083 470
STAND-BY
R088 1.0k
R081 47
RM001 PNA4601M05TV REMOTE IN
VCC
GND
VOUT
D082 MA8056M
C081 6.3V 10
R082 220k
R087 JW
Q082 2SD0601A0L
R1554 2.2k
R1555 2.2k
S1554 EVQPBD05R
S1555 EVQPBD05R
S1556 EVQPBD05R
TV/VTR
VOL.DOWN
VOL.UP
5V
L7306 J0JJC0000011
C7301 16V 1
C7302 25V 10
R7307 0 CLK11
CEL
R7308 0 CLK12
R7309 0 CLK21
R7310 0 CLK22
TO C4-BOARD (C43)
C33
SIDE
Vda67V
NC
GND
TERM
TO SC-BOARD (SS42)
C42
Vda 67V
Vda 67V
GND
NC
Vda67V
67V
L7305 J0JJC0000011
C7307 0.1 100V
R7306 220k
L7302 J0JJC0000011
R7316 22
R7318 22
C7317 0.1 100V
L7304 J0JJC0000011
R7325 22
R7323 22
R7324 22
R7326 22
P-P 67V
PCL
CLK11
CLK12
CLK21
CLK22
LE5
LE6
LE7
LE8
D191 D192 D193
D201 D202 D203
D211 D212 D213 D214 D215 D216
D221 D222 D223 D224 D225 D226
CB8
CB7
C7306 16V 1
C7305 16V 1
R7305 1k
5V
L7301 J0JJC0000011
R7312 22
R7314 22
L7303 J0JJC0000011
C7316 100V 0.1
R7321 22
R7319 22
R7320 22
R7322 22

TH-42PHD5 / TH-42PHW5 C3-Board Schematic Diagram

14.33. C4-Board Schematic Diagram

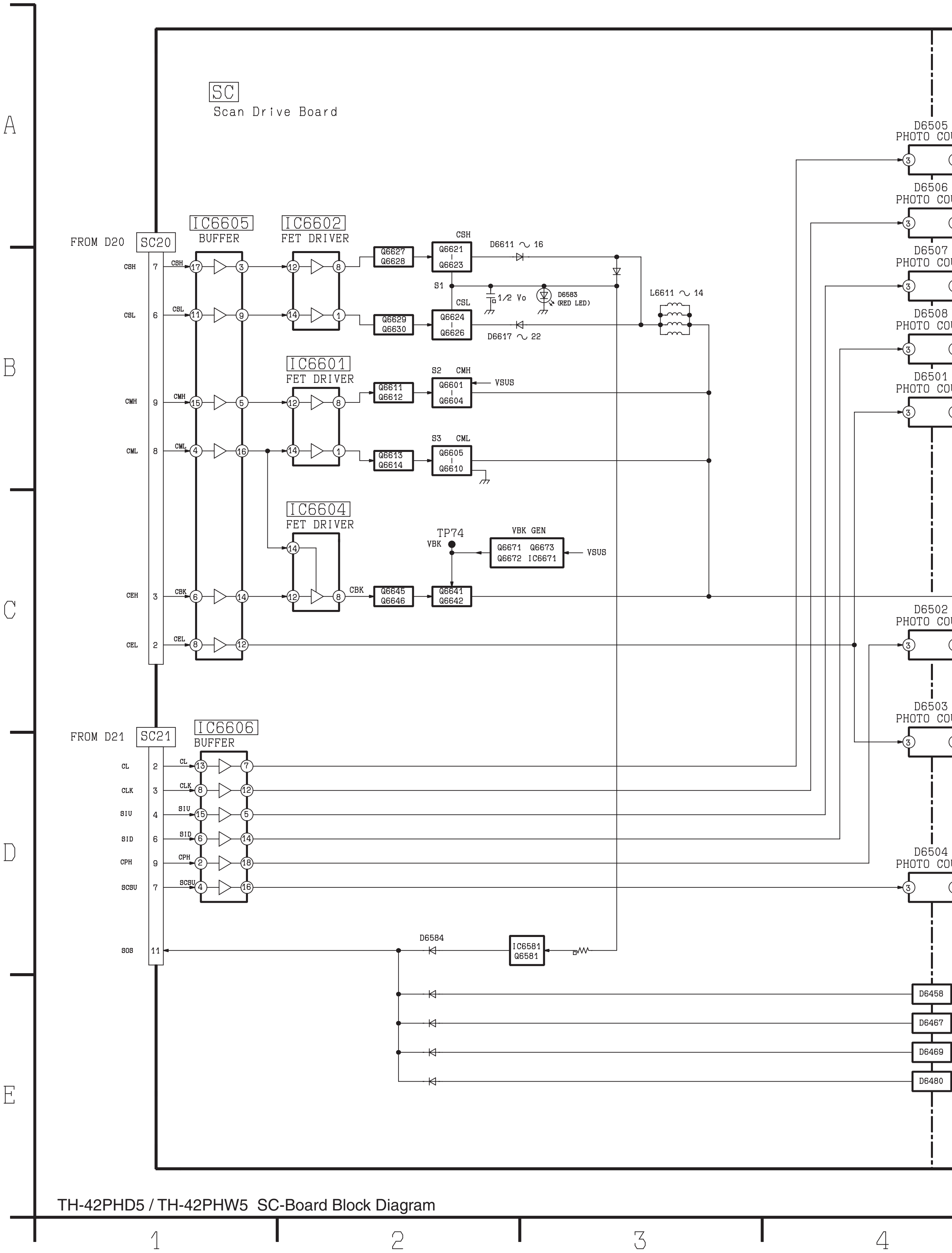

A
B
C
D
E
F
1
2
3
4
C4-BOARD TNPA2431
Vda67V
NC
GND
TERM
SIDE
C43
TO C3-BOARD (C33)
67V
L7405 J0JJC0000011
R7406 220k
C7407 0.1 100V
C7413 0.1 100V
L7402 J0JJC0000011
R7417 22
R7415 22
R7416 22
R7418 22
R7425 22
CB2
CB4
CB1
CB3
D144
D146
D145
D142
D141
D143
D164
D166
D165
LE2
LE4
PCR
CLK21
CLK11
CLK22
CLK12
C7404 16V 1
C7406 16V 1
5V
C7411 0.1 100V
L7401 J0JJC0000011
R7413 22
R7411 22
R7412 22
R7414 22
R7421 22
D134
D136
D135
D132
D131
D133
D154
D156
D155
LE1
LE3
R7405 1k
C7403 16V 1
C7405 16V 1
P-P 67V

TH-42PHD5 / TH-42PHW5 C4-Board Schematic Diagram

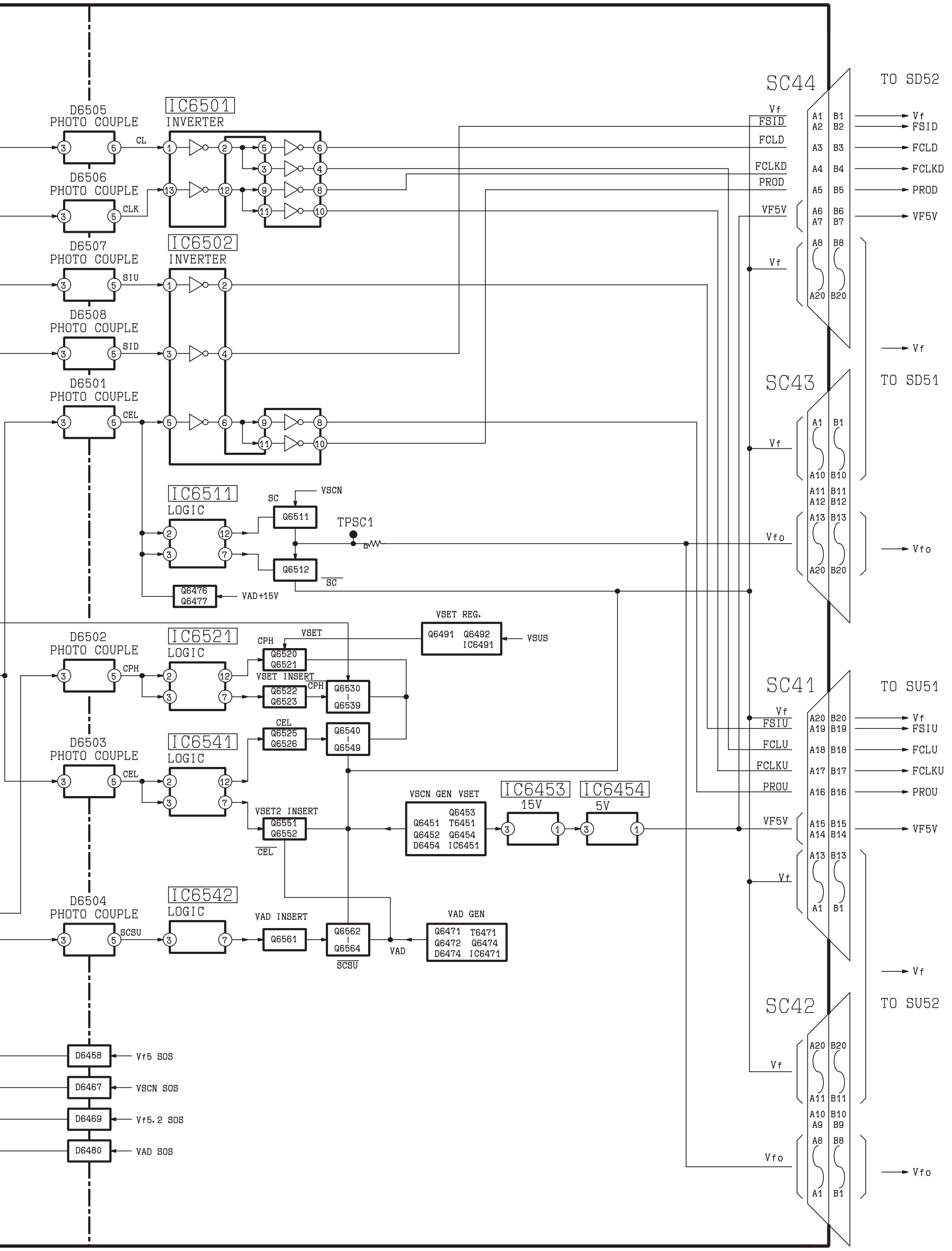

IC7401
C0JBAZ000005
(TC74VHC244FT)
IC7405
C0JBAZ000005
TC74VHC244FT
IC7406
C0JBAZ000005
TC74VHC244FT
IC7407
C0JBAZ000005
TC74VHC244FT
L7406
J0JJC0000011
L7404
J0JJC0000011
L7403
J0JJC0000011
C7402
25V 10
C7401
16V 1
C7450
16V
1
C7451
16V
1
C7452
16V
C7417
0.1
100V
C7415
0.1
100V
R7407 0
R7408 0
R7409 0
R7410 0
CLK11
CLK12
CLK21
CLK22
CLKR
NCLKR
LE1
LE2
LE3
LE4
CER
PCR
5V
ARD
C41
SIDE
TO
D2-BOARD
(D34)
5
6
7
8
9

TH-42PHD5 / TH-42PHW5 C4-Board Schematic Diagram

14.34. SC-Board Block Diagram


SC
Scan Drive Board
FROM D20
SC20
IC6605
BUFFER
IC6602
FET DRIVER
IC6601
FET DRIVER
IC6604
FET DRIVER
CSH
CSL
CMH
CML
CEH
CEL
CBK
Q6627 Q6628
Q6629 Q6630
Q6621 Q6623
Q6624 Q6626
Q6611 Q6612
Q6601 Q6604
Q6613 Q6614
Q6605 Q6610
Q6645 Q6646
Q6641 Q6642
S1
S2
S3
D6611 ~ 16
D6617 ~ 22
1/2 Vo
D6583 (RED LED)
L6611 ~ 14
VSUS
TP74
VBK
VBK GEN
Q6671 Q6673 Q6672 IC6671
FROM D21
SC21
IC6606
BUFFER
CL
CLK
SIU
SID
CPH
SCSU
SOS
D6584
IC6581 Q6581
D6505 PHOTO COU
D6506 PHOTO COU
D6507 PHOTO COU
D6508 PHOTO COU
D6501 PHOTO COU
D6502 PHOTO COU
D6503 PHOTO COU
D6504 PHOTO COU
D6458
D6467
D6469
D6480
A
B
C
D
E
1
2
3
4

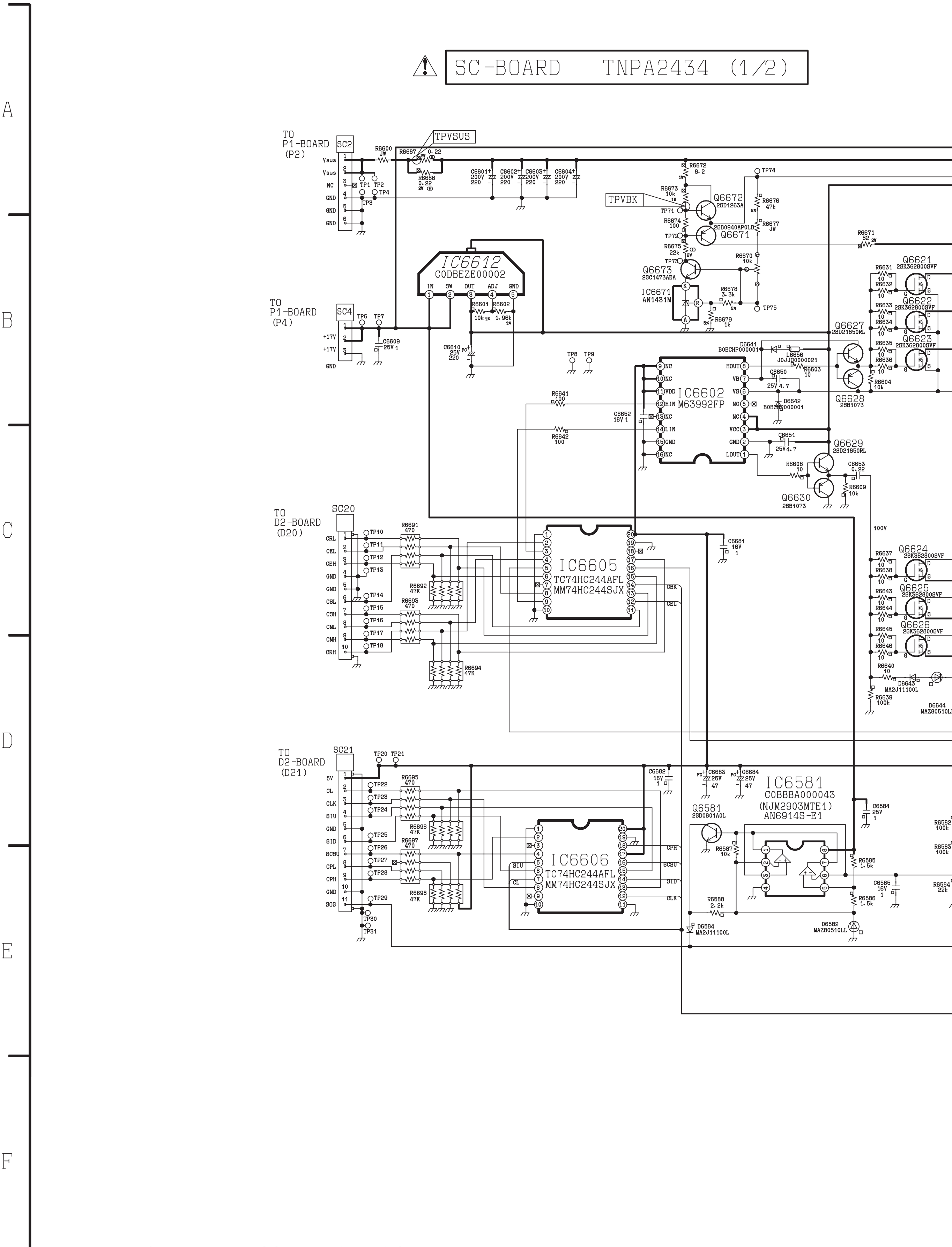
TH-42PHD5 / TH-42PHW5 SC-Board Block Diagram


D6505
PHOTO COUPLE
CL
IC6501
INVERTER
D6506
PHOTO COUPLE
CLK
D6507
PHOTO COUPLE
SIU
IC6502
INVERTER
D6508
PHOTO COUPLE
SID
D6501
PHOTO COUPLE
CEL
IC6511
LOGIC
SC
VSCN
Q6511
TPSC1
Q6512
SC
Q6476
Q6477
VAD+15V
VSET REG.
Q6491 Q6492
IC6491
VSUS
D6502
PHOTO COUPLE
CPH
IC6521
LOGIC
CPH
VSET
Q6520
Q6521
VSET INSERT
CPH
Q6522
Q6523
Q6530
Q6539
D6503
PHOTO COUPLE
CEL
IC6541
LOGIC
CEL
Q6525
Q6526
Q6540
Q6549
VSCN GEN VSET
Q6453
Q6451 T6451
Q6452 Q6454
D6454 IC6451
IC6453
15V
IC6454
5V
VSET2 INSERT
Q6551
Q6552
CEL
D6504
PHOTO COUPLE
SCSU
IC6542
LOGIC
VAD INSERT
Q6561
Q6562
Q6564
SCSU
VAD
VAD GEN
Q6471 T6471
Q6472 Q6474
D6474 IC6471
D6458
Vf5 SOS
D6467
VSCN SOS
D6469
Vf5.2 SOS
D6480
VAD SOS
SC44
TO SD52
Vf
FSID
FCLD
FCLKD
PROD
VF5V
Vf
SC43
TO SD51
Vf
Vfo
SC41
TO SU51
Vf
FSIU
FCLU
FCLKU
PROU
VF5V
Vf
SC42
TO SU52
Vf
Vfo

TH-42PHD5 / TH-42PHW5 SC-Board Block Diagram

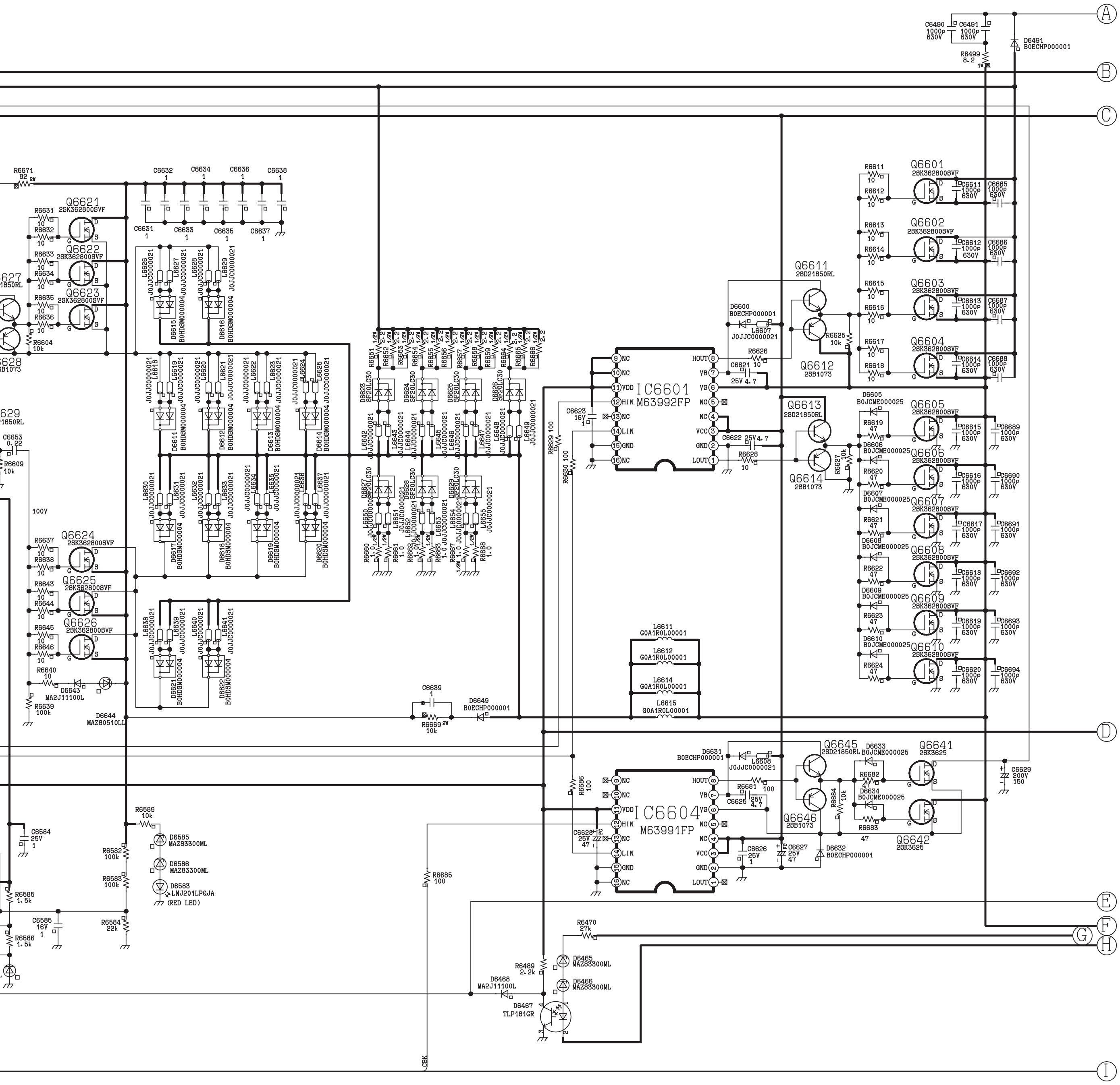
4 5 6 7

14.35. SC-Board (1 of 2) Schematic Diagram


A
B
C
D
E
F
SC-BOARD TNPA2434 (1/2)
TO P1-BOARD (P2)
SC2
Vsus
Vsus
NC
GND
GND
GND
TPVSUS
R6600 JW
R6687 0.22
R6688 0.22
TP1 TP2 TP3 TP4
C6601 200V 220
C6602 200V 220
C6603 200V 220
C6604 200V 220
IC6612
C0DBEZE00002
IN SW OUT ADJ GND
R6601 10k
R6602 1.96k
C6610 25V 220
TO P1-BOARD (P4)
SC4
+17V
+17V
GND
TP6 TP7
C6609 25V 1
TPVBK
R6672 8.2
R6673 10k
R6674 100
R6675 22k
TP71 TP72 TP73 TP74 TP75
Q6672 2SD1263A
Q6671 2SB0940APOLB
Q6673 2SC1473AEA
IC6671 AN1431M
R6670 10k
R6676 47k
R6677 JW
R6678 3.3k
R6679 1k
R6671 82
Q6621 2SK3628003VF
Q6622 2SK3628003VF
Q6623 2SK3628003VF
Q6627 2SD21850RL
Q6628 2SB1073
Q6629 2SD21850RL
Q6630 2SB1073
TP8 TP9
R6641 100
R6642 100
C6652 16V 1
IC6602 M63992FP
HOUT VB VS NC NC VCC GND LOUT
NC NC VDD HIN NC LIN GND NC
D6641 B0ECHP000001
L6656 J0JJC0000021
R6603 10
C6650 25V 4.7
D6642 B0ECHP000001
C6651 25V 4.7
R6608 10
C6653 0.22
R6609 10k
R6604 10k
TO D2-BOARD (D20)
SC20
CRL CEL CEH GND GND CSL CSH CML CMH CRH
TP10 TP11 TP12 TP13 TP14 TP15 TP16 TP17 TP18
R6691 470
R6692 47K
R6693 470
R6694 47K
IC6605
TC74HC244AFL
MM74HC244SJX
C6681 16V 1
CBK
CEL
100V
Q6624 2SK3628003VF
Q6625 2SK3628003VF
Q6626 2SK3628003VF
R6640 10
D6643 MA2J11100L
R6639 100k
D6644 MAZ80510LL
TO D2-BOARD (D21)
SC21
5V CL CLK SIU GND SID SCSU CPL CPH GND SOS
TP20 TP21 TP22 TP23 TP24 TP25 TP26 TP27 TP28 TP29 TP30 TP31
R6695 470
R6696 47K
R6697 470
R6698 47K
IC6606
TC74HC244AFL
MM74HC244SJX
SIU
CL
CPH SCSU SID CLK
C6682 16V 1
C6683 25V 47
C6684 25V 47
IC6581
C0BBBA000043
(NJM2903MTE1)
AN6914S-E1
Q6581 2SD0601A0L
R6587 10k
R6588 2.2k
R6585 1.5k
R6586 1.5k
C6584 25V 1
C6585 16V 1
R6582 100k
R6583 100k
R6584 22k
D6584 MA2J11100L
D6582 MAZ80510LL

TH-42PHD5 / TH-42PHW5 SC-Board (1 of 2) Schematic Diagram

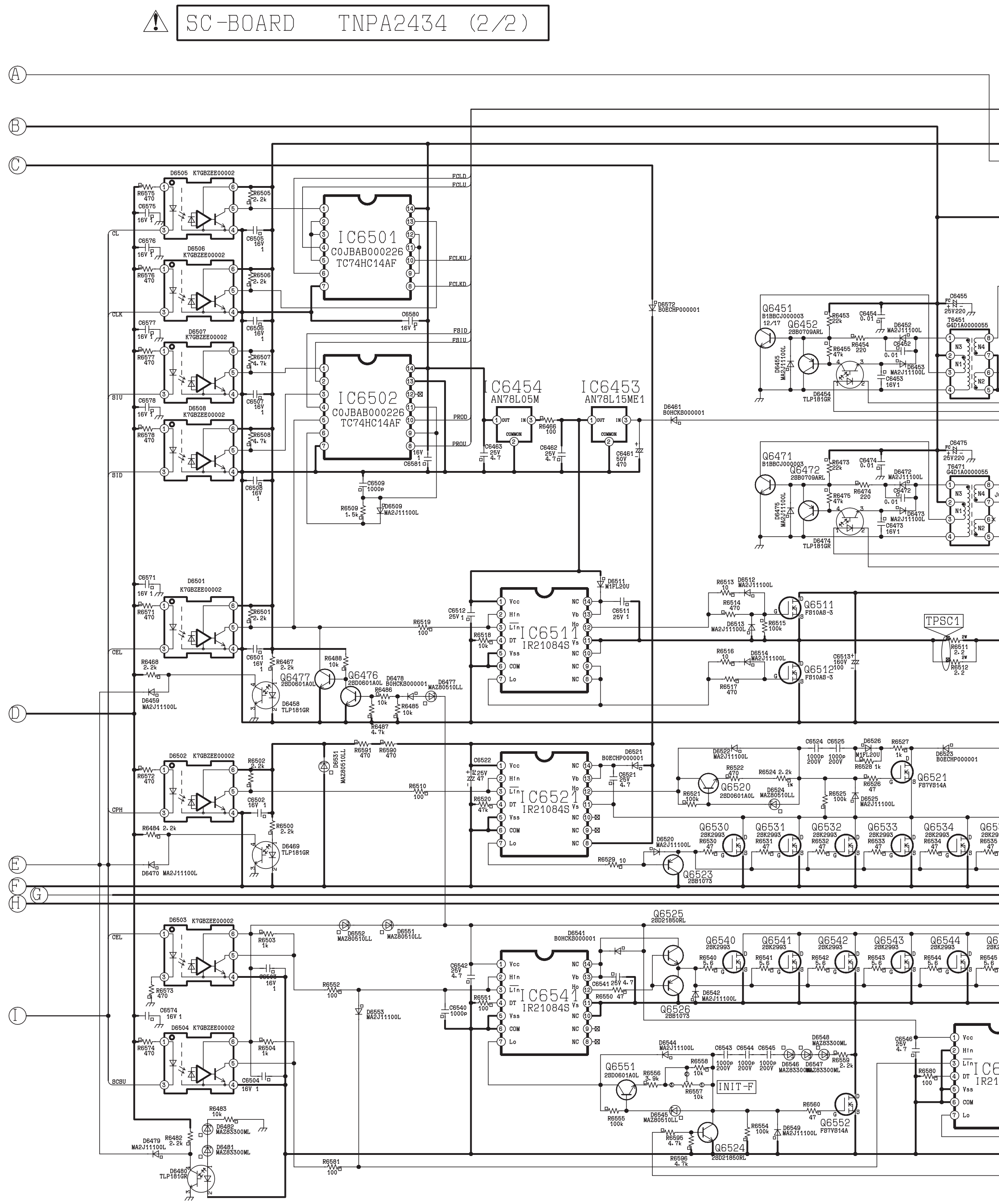
1
2
3
4


A
B
C
D
E
F
G
H
I
C6490 1000p 630V
C6491 1000p 630V
D6491 B0ECHP000001
R6499 8.2
R6671 82
C6632 1
C6634 1
C6636 1
C6638 1
C6631 1
C6633 1
C6635 1
C6637 1
Q6621 2SK3628008VF
Q6622 2SK3628008VF
Q6623 2SK3628008VF
Q6624 2SK3628008VF
Q6625 2SK3628008VF
Q6626 2SK3628008VF
R6604 10k
R6609 10k
C6653 0.22
100V
R6640 10
D6643 MA2J11100L
R6639 100k
D6644 MAZ80510LL
C6639
D6649 B0ECHP000001
R6669 10k
IC6601 M63992FP
IC6604 M63991FP
Q6611 2SD21850RL
Q6612 2SB1073
Q6613 2SD21850RL
Q6614 2SB1073
Q6645 2SD21850RL
Q6646 2SB1073
Q6601 2SK3628008VF
Q6602 2SK3628008VF
Q6603 2SK3628008VF
Q6604 2SK3628008VF
Q6605 2SK3628008VF
Q6606 2SK3628008VF
Q6607 2SK3628008VF
Q6608 2SK3628008VF
Q6609 2SK3628008VF
Q6610 2SK3628008VF
Q6641 2SK3625
Q6642 2SK3625
D6600 B0ECHP000001
L6607 J0JJC0000021
D6631 B0ECHP000001
L6609 J0JJC0000021
D6632 B0ECHP000001
C6629 200V 150
L6611 G0A1R0L00001
L6612 G0A1R0L00001
L6614 G0A1R0L00001
L6615 G0A1R0L00001
R6589 10k
D6585 MAZ83300ML
D6586 MAZ83300ML
D6583 LNJ201LPQJA (RED LED)
R6582 100k
R6583 100k
R6584 22k
R6585 1.5k
R6586 1.5k
C6584 25V 1
C6585 16V 1
R6685 100
R6470 27k
R6489 2.2k
D6465 MAZ83300ML
D6466 MAZ83300ML
D6468 MA2J11100L
D6467 TLP181GR
CBK

TH-42PHD5 / TH-42PHW5 SC-Board (1 of 2) Schematic Diagram

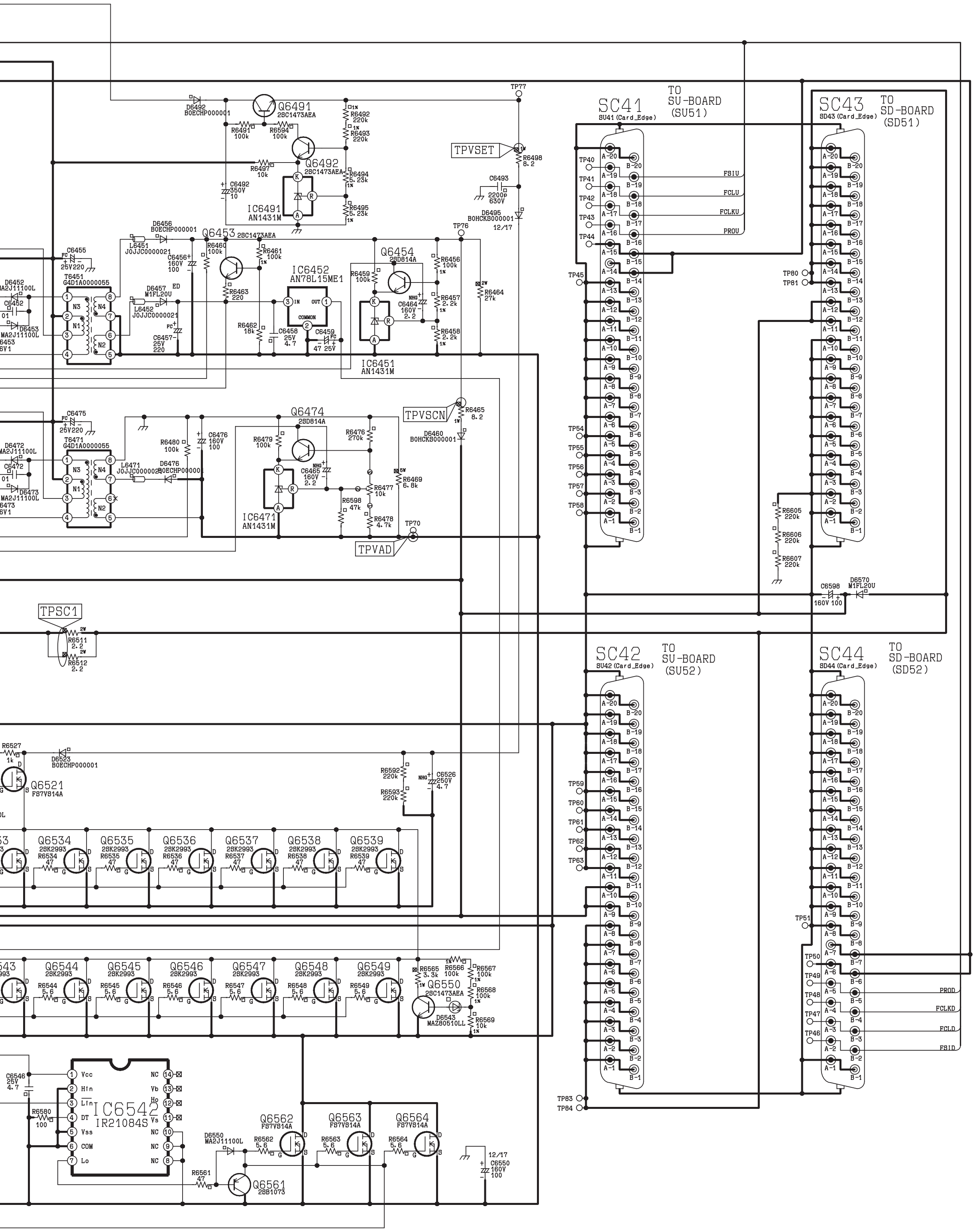
5 6 7 8 9

14.36. SC-Board (2 of 2) Schematic Diagram


SC-BOARD TNPA2434 (2/2)
A
B
C
D
E
F
G
H
I
D6505 K7GBZEE00002
D6506 K7GBZEE00002
D6507 K7GBZEE00002
D6508 K7GBZEE00002
D6501 K7GBZEE00002
D6502 K7GBZEE00002
D6503 K7GBZEE00002
D6504 K7GBZEE00002
CL
CLK
SIU
SID
CEL
CPH
SCSU
FCLD
FCLU
FCLKU
FCLKD
FSID
FSIU
PROD
PROU
IC6501
C0JBAB000226
TC74HC14AF
IC6502
C0JBAB000226
TC74HC14AF
IC6454
AN78L05M
IC6453
AN78L15ME1
D6572 B0ECHP000001
D6461 B0HCKS000001
Q6451 B1BCJ000003
Q6452 2SB0709ARL
Q6471 B1BCJ000003
Q6472 2SB0709ARL
D6454 TLP181GR
D6474 TLP181GR
T6451 G4D1A0000055
T6471 G4D1A0000055
IC6511
IR2108AS
IC6521
IR2108AS
IC6541
IR2108AS
D6511 M1FL20U
Q6511 FS10AS-3
Q6512 FS10AS-3
TPSC1
Q6476 2SD0601A0L
Q6477 2SD0601A0L
D6458 TLP181GR
D6469 TLP181GR
D6459 MA2J1110OL
D6470 MA2J1110OL
Q6520 2SD0601A0L
Q6521 FS7VS14A
Q6523 2SB1073
Q6530 2SK2993
Q6531 2SK2993
Q6532 2SK2993
Q6533 2SK2993
Q6534 2SK2993
Q6525 2SD21850RL
Q6526 2SB1073
Q6540 2SK2993
Q6541 2SK2993
Q6542 2SK2993
Q6543 2SK2993
Q6544 2SK2993
D6541 B0HCKS000001
Q6551 2SD0601A0L
Q6552 FS7VS14A
Q6524 2SD21850RL
INIT-F
D6480 TLP181GR
D6481 MAZ8330OML
D6482 MAZ8330OML
D6479 MA2J1110OL
Vcc
Hin
Lin
DT
Vss
COM
Lo
NC
Vb
Ho
Vs

TH-42PHD5 / TH-42PHW5 SC-Board (2 of 2) Schematic Diagram

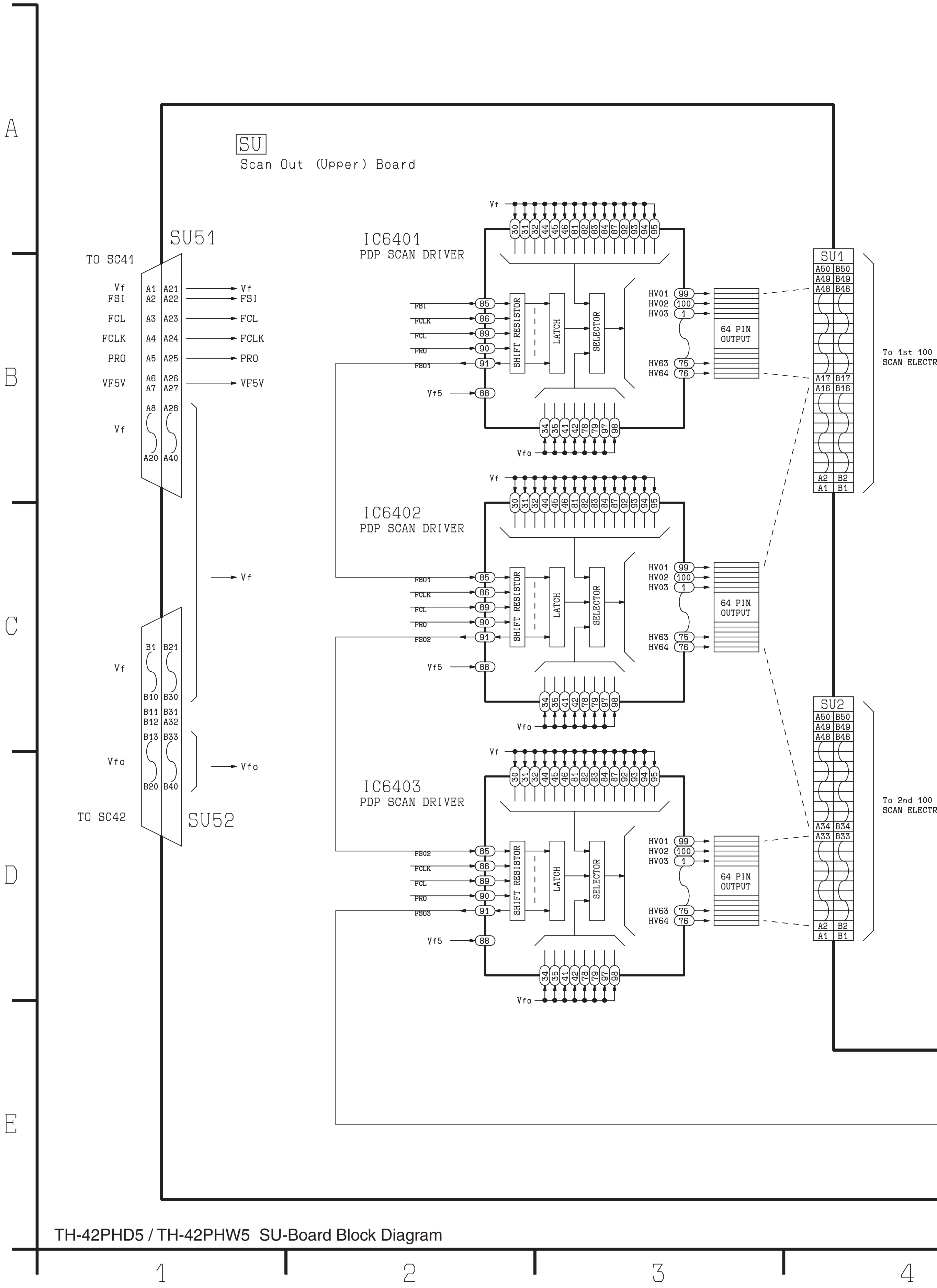
9 10 11 12 13


SC41
SU41 (Card_Edge)
TO SU-BOARD (SU51)
SC43
SD43 (Card_Edge)
TO SD-BOARD (SD51)
SC42
SU42 (Card_Edge)
TO SU-BOARD (SU52)
SC44
SD44 (Card_Edge)
TO SD-BOARD (SD52)
Q6491 2SC1473AEA
Q6492 2SC1473AEA
IC6491 AN1431M
Q6453 2SC1473AEA
IC6452 AN78L15ME1
Q6454 2SD814A
IC6451 AN1431M
Q6474 2SD814A
IC6471 AN1431M
T6451 G4D1A0000055
T6471 G4D1A0000055
TPVSET
TPVSCN
TPVAD
TPSC1
TP77
TP76
TP70
Q6521 FS7VS14A
Q6534
Q6535
Q6536
Q6537
Q6538
Q6539
2SK2993
Q6544
Q6545
Q6546
Q6547
Q6548
Q6549
Q6550 2SC1473AEA
IC6542 IR21084S
Q6562 FS7VS14A
Q6563 FS7VS14A
Q6564 FS7VS14A
Q6561 2SB1073
FSIU
FCLU
FCLKU
PROU
PROD
FCLKD
FCLD
FSID
C6598 160V 100
D6570 M1FL20U
R6605 220k
R6606 220k
R6607 220k

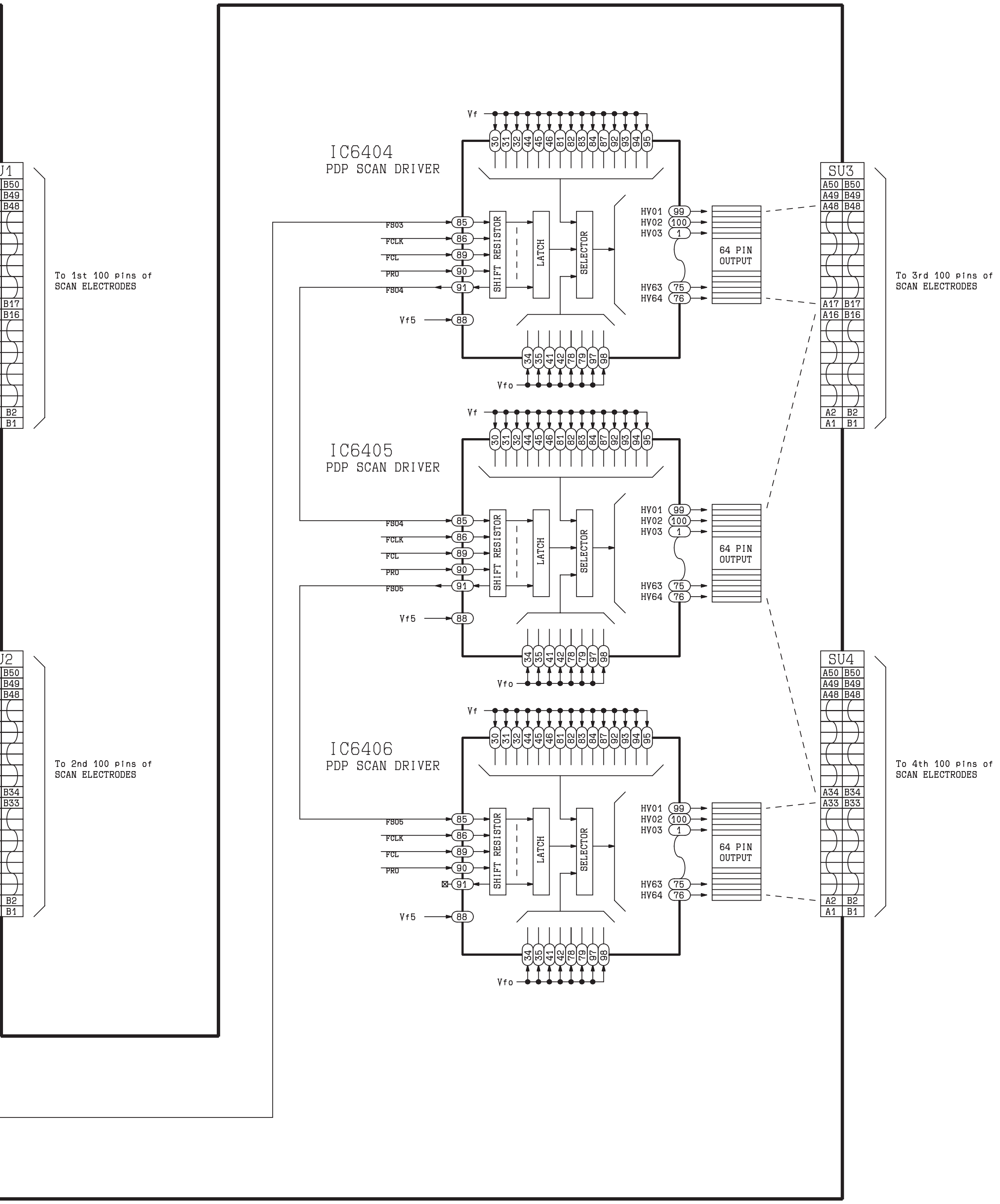
TH-42PHD5 / TH-42PHW5 SC-Board (2 of 2) Schematic Diagram

14 15 16 17

14.37. SU-Board Block Diagram


A
B
C
D
E
SU
Scan Out (Upper) Board
SU51
TO SC41
Vf
FSI
FCL
FCLK
PRO
VF5V
A1 A21
A2 A22
A3 A23
A4 A24
A5 A25
A6 A26
A7 A27
A8 A28
A20 A40
B1 B21
B10 B30
B11 B31
B12 A32
B13 B33
B20 B40
Vfo
TO SC42
SU52
IC6401
PDP SCAN DRIVER
IC6402
PDP SCAN DRIVER
IC6403
PDP SCAN DRIVER
SHIFT RESISTOR
LATCH
SELECTOR
FSO1
FSO2
FSO3
Vf5
HV01
HV02
HV03
HV63
HV64
64 PIN OUTPUT
30 31 32 44 45 46 81 82 83 84 87 92 93 94 95
34 35 41 42 78 79 97 98
85 86 89 90 91 88
99 100 1 75 76
SU1
A50 B50
A49 B49
A48 B48
A17 B17
A16 B16
A2 B2
A1 B1
To 1st 100
SCAN ELECTR
SU2
A34 B34
A33 B33
To 2nd 100
SCAN ELECTR
1
2
3
4

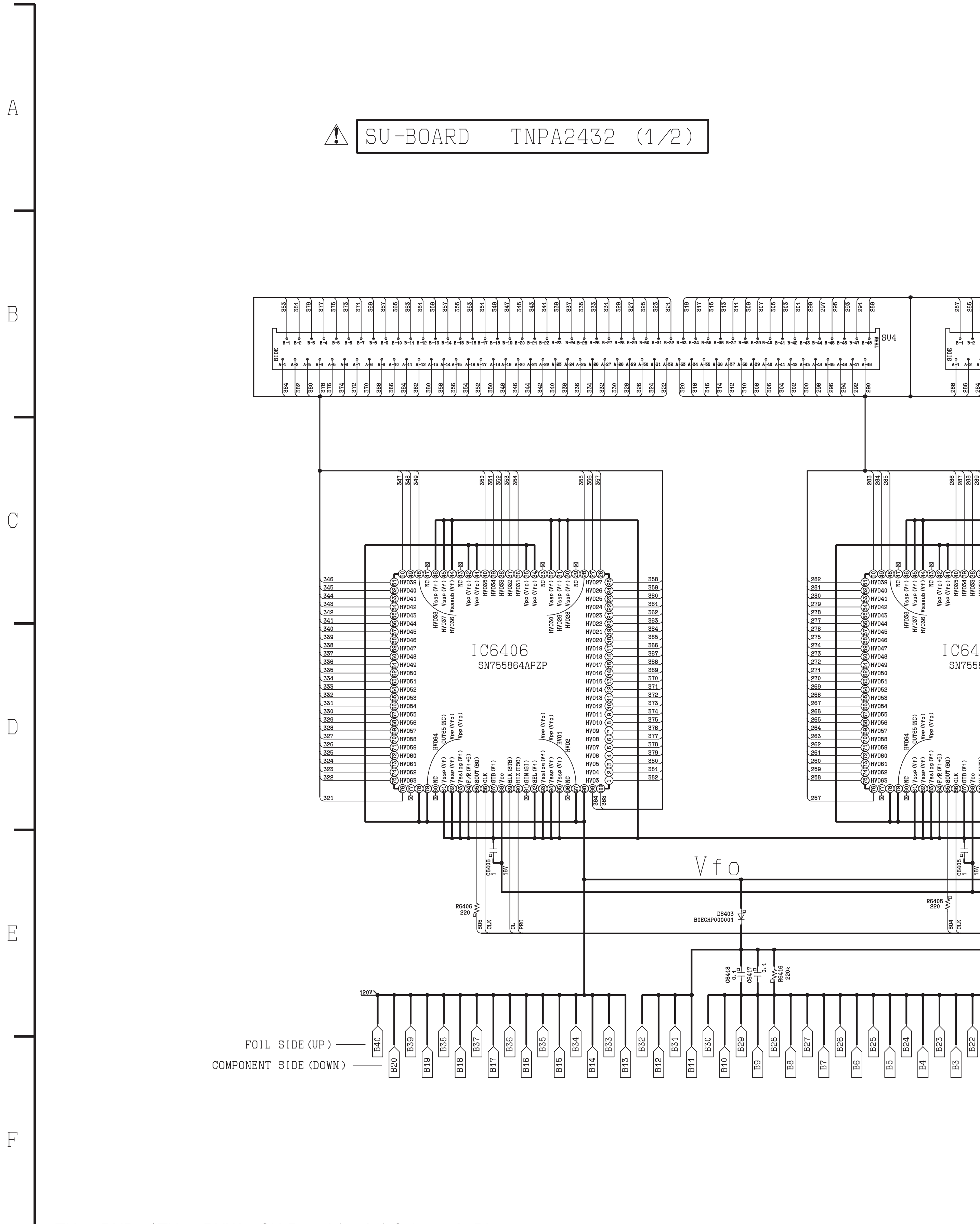
TH-42PHD5 / TH-42PHW5 SU-Board Block Diagram


IC6404
PDP SCAN DRIVER
IC6405
PDP SCAN DRIVER
IC6406
PDP SCAN DRIVER
Vf
Vf5
Vfo
FS03
FS04
FS05
FCLK
FCL
PRO
SHIFT RESISTOR
LATCH
SELECTOR
64 PIN
OUTPUT
HV01
HV02
HV03
HV63
HV64
30 31 32 44 45 46 81 82 83 84 87 92 93 94 95
34 35 41 42 78 79 97 98
85 86 89 90 91 88
99 100 1 75 76
U1
U2
SU3
SU4
B50 B49 B48 B17 B16 B2 B1
B34 B33
A50 A49 A48 A17 A16 A2 A1
A34 A33
To 1st 100 pins of
SCAN ELECTRODES
To 2nd 100 pins of
SCAN ELECTRODES
To 3rd 100 pins of
SCAN ELECTRODES
To 4th 100 pins of
SCAN ELECTRODES

TH-42PHD5 / TH-42PHW5 SU-Board Block Diagram

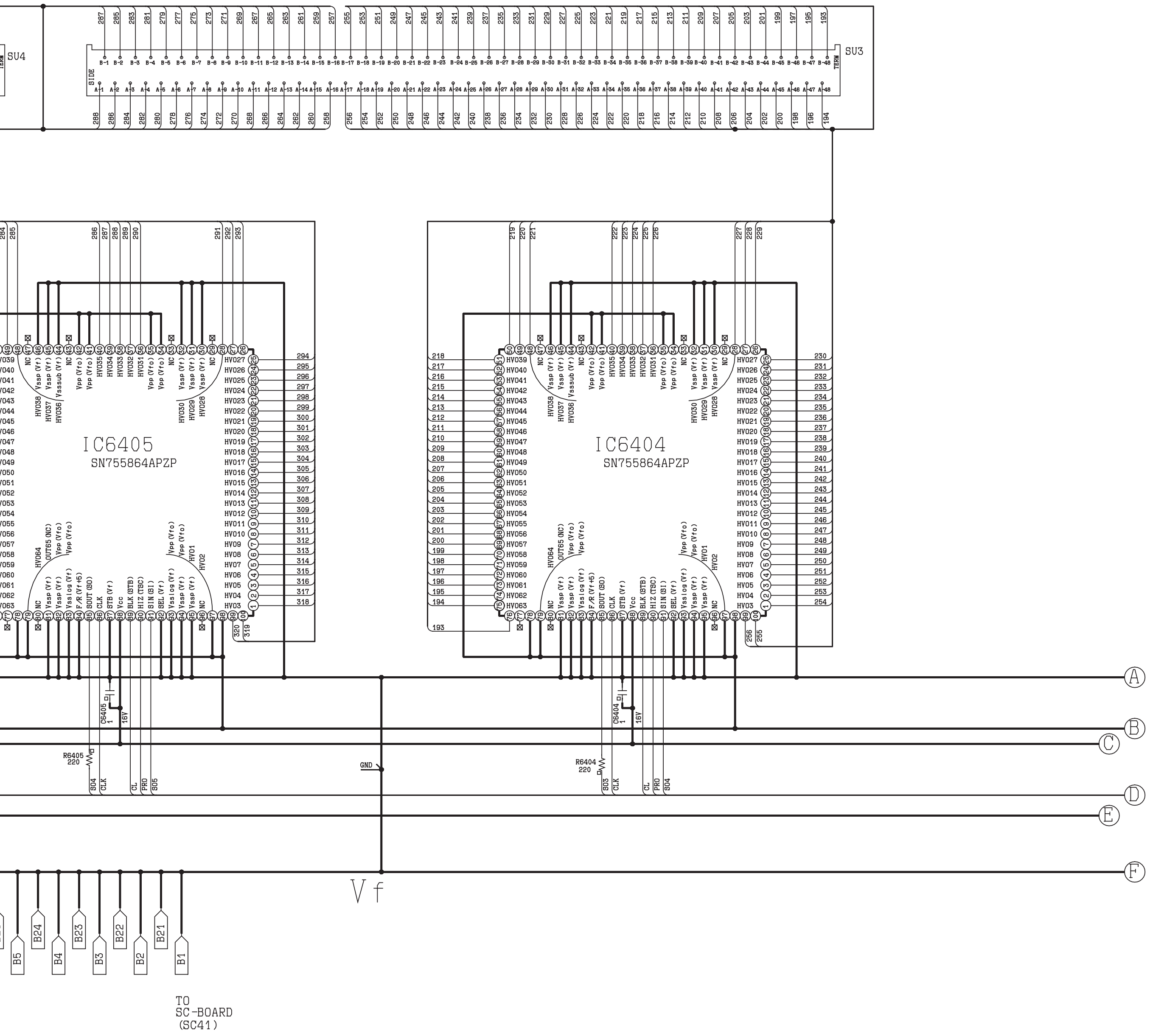
4	5	6	7

14.38. SU-Board (1 of 2) Schematic Diagram


A
B
C
D
E
F
⚠ SU-BOARD TNPA2432 (1/2)
SU4
SIDE
TERM
IC6406
SN755864APZP
IC64
SN755
Vfo
D6403
B0ECHP000001
C6418 0.1
C6417 0.1
R6416 220k
C6406 1 16V
R6406 220
C6405 1 16V
R6405 220
SO5
CLK
CL
PRO
SO4
120V
FOIL SIDE (UP)
COMPONENT SIDE (DOWN)
B40
B20
B39
B19
B38
B18
B37
B17
B36
B16
B35
B15
B34
B14
B33
B13
B32
B12
B31
B11
B30
B10
B29
B9
B28
B8
B27
B7
B26
B6
B25
B5
B24
B4
B23
B3
B22

TH-42PHD5 / TH-42PHW5 SU-Board (1 of 2) Schematic Diagram

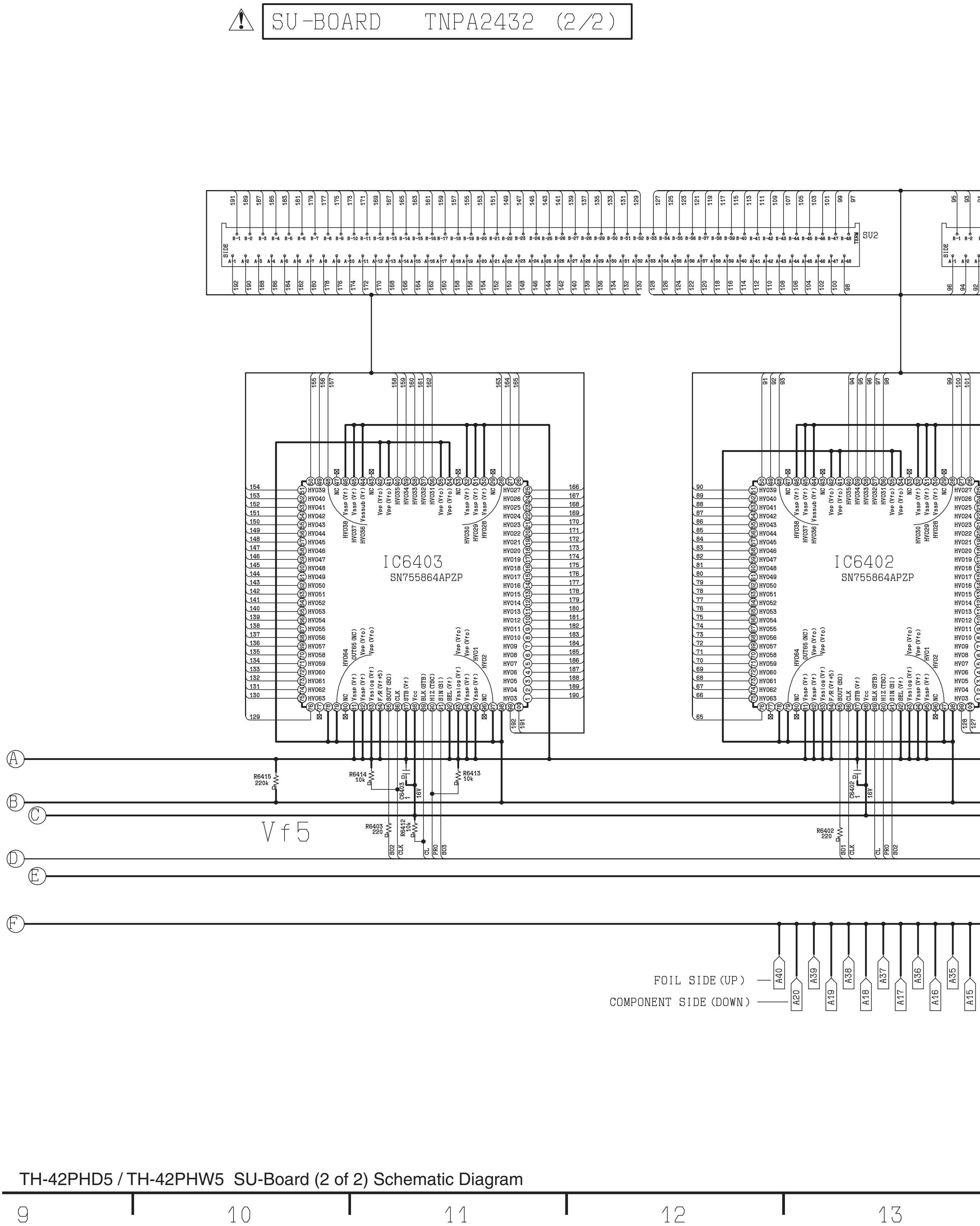
1
2
3
4
5


SU4
SU3
SIDE
TERM
IC6405
SN755864APZP
IC6404
SN755864APZP
C6405
1
16V
C6404
1
16V
R6405
220
R6404
220
GND
SO4
CLK
CL
PRO
SO5
SO3
CLK
CL
PRO
SO4
A
B
C
D
E
F
Vf
B5
B24
B4
B23
B3
B22
B2
B21
B1
TO
SC-BOARD
(SC41)

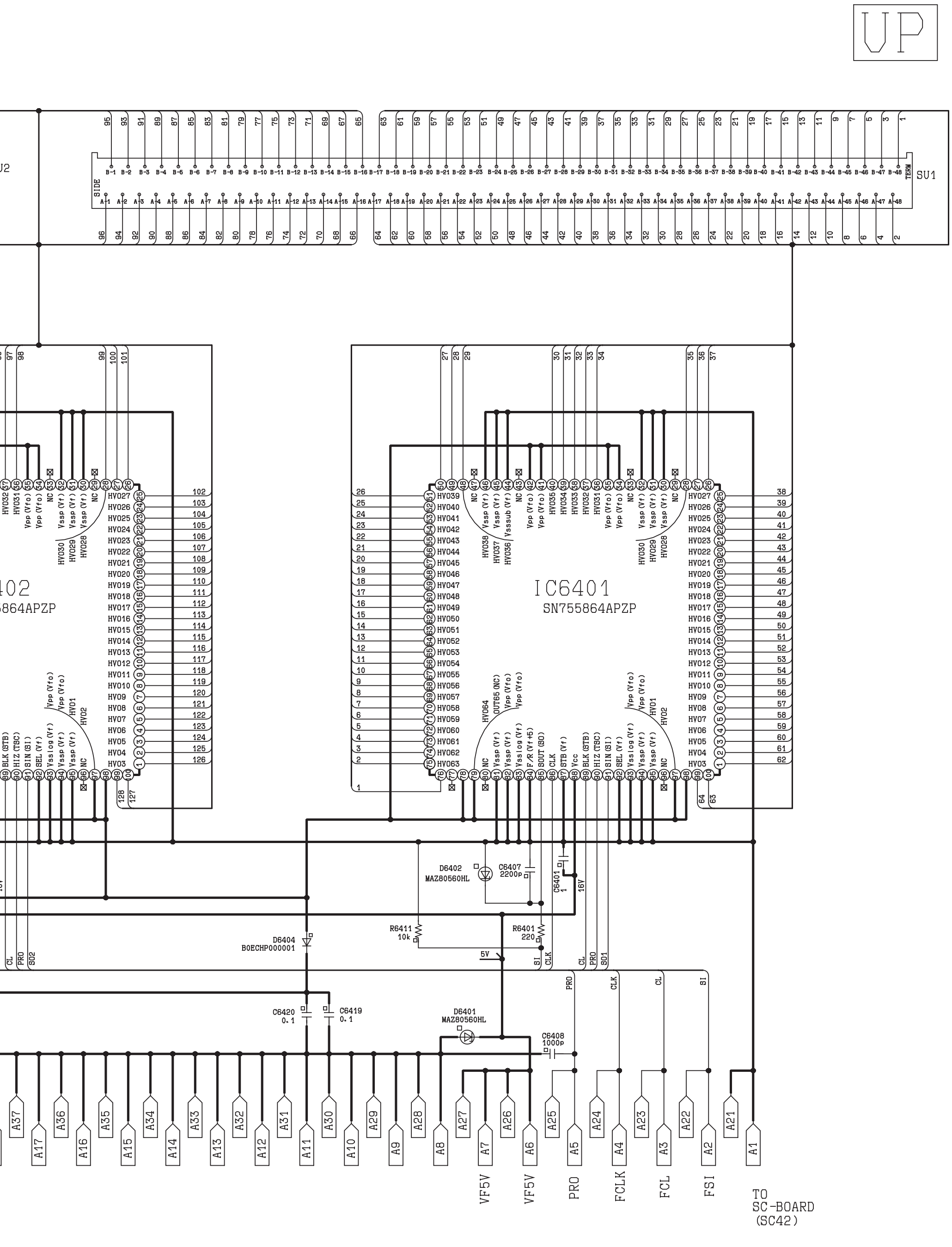
TH-42PHD5 / TH-42PHW5 SU-Board (1 of 2) Schematic Diagram

5 6 7 8 9

14.39. SU-Board (2 of 2) Schematic Diagram


SU-BOARD TNPA2432 (2/2)
SU2
SIDE
TERM
IC6403
SN755864APZP
IC6402
SN755864APZP
R6415
220k
R6414
10k
R6413
10k
C6403
1
16V
R6403
220
R6412
10k
R6402
220
C6402
1
16V
Vf5
A
B
C
D
E
F
SD2
CLK
CL
PRO
SD3
SD1
FOIL SIDE (UP)
COMPONENT SIDE (DOWN)
A40
A39
A38
A37
A36
A35
A20
A19
A18
A17
A16
A15
9
10
11
12
13

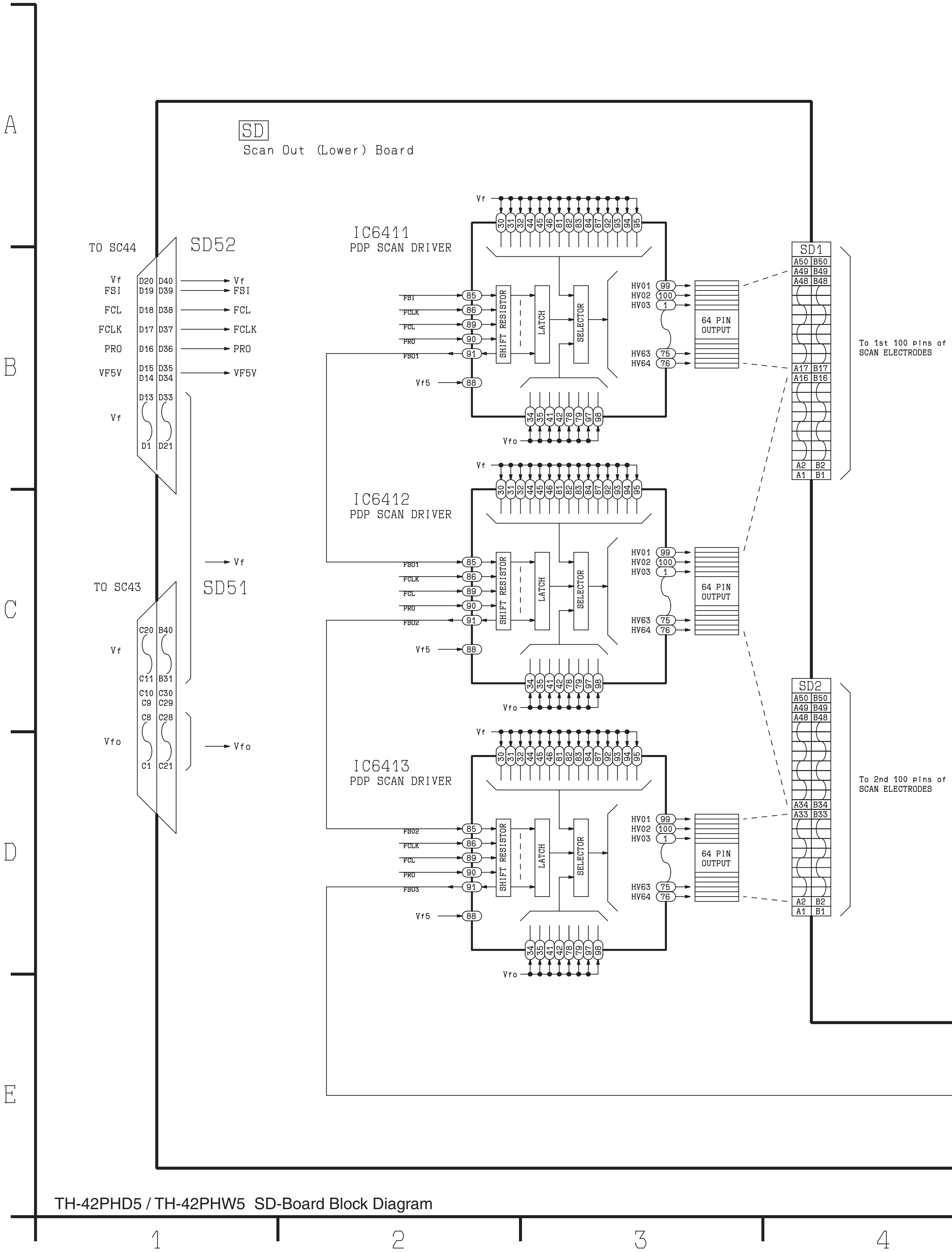
TH-42PHD5 / TH-42PHW5 SU-Board (2 of 2) Schematic Diagram


UP
SU1
U2
SIDE
TERM
IC6401
SN755864APZP
402
864APZP
D6402
MAZ80560HL
C6407
2200p
C6401
1
16V
R6411
10k
R6401
220
5V
D6404
B0ECHP000001
C6420
0.1
C6419
0.1
D6401
MAZ80560HL
C6408
1000p
VF5V
VF5V
PRO
FCLK
FCL
FSI
TO
SC-BOARD
(SC42)

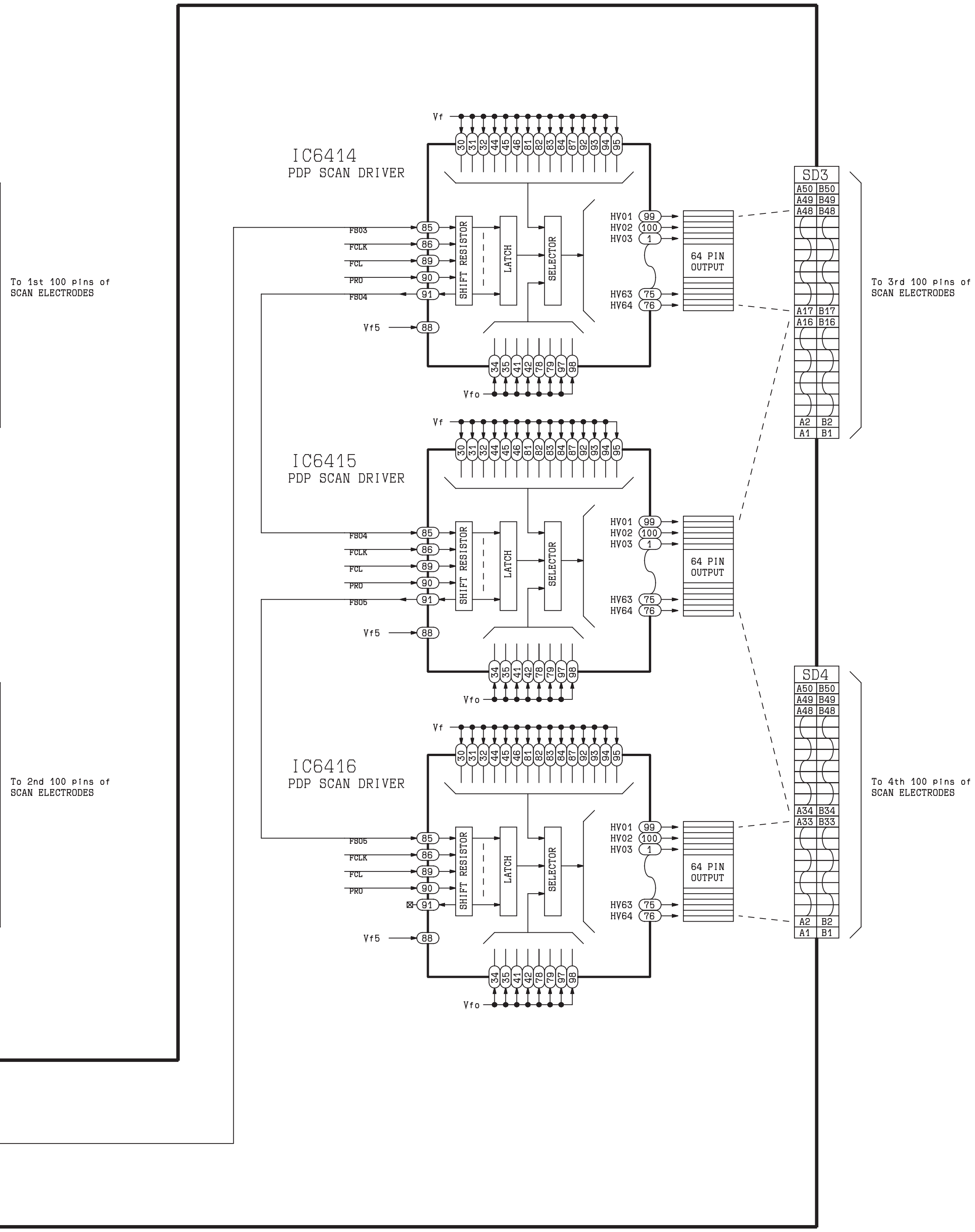
TH-42PHD5 / TH-42PHW5 SU-Board (2 of 2) Schematic Diagram

13 14 15 16 17

14.40. SD-Board Block Diagram

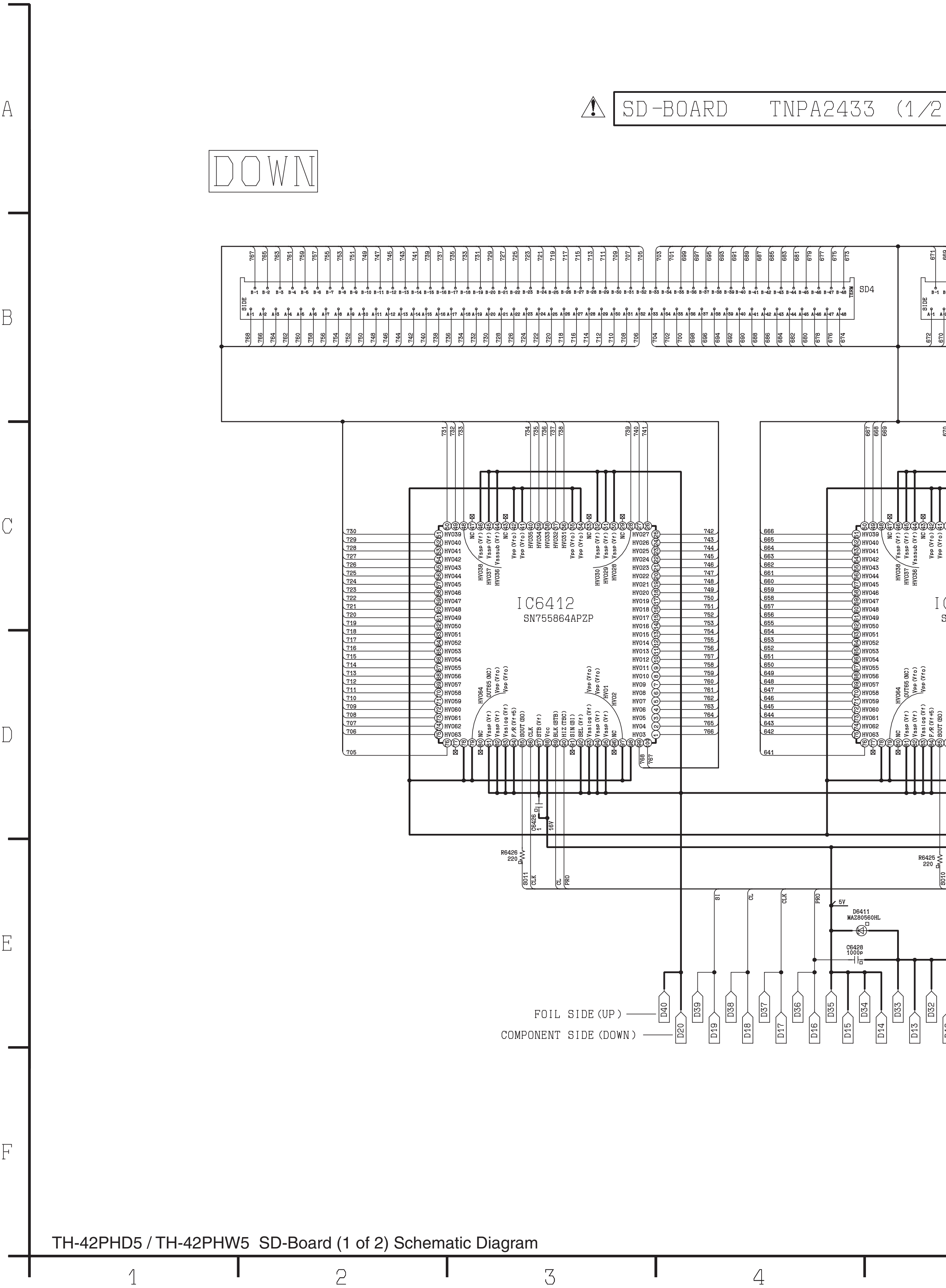

A
B
C
D
E
1
2
3
4
SD
Scan Out (Lower) Board
TO SC44
SD52
Vf
FSI
FCL
FCLK
PRO
VF5V
D20 D40
D19 D39
D18 D38
D17 D37
D16 D36
D15 D35
D14 D34
D13 D33
D1 D21
TO SC43
SD51
Vfo
C20 B40
C11 B31
C10 C30
C9 C29
C8 C28
C1 C21
IC6411
PDP SCAN DRIVER
IC6412
PDP SCAN DRIVER
IC6413
PDP SCAN DRIVER
SHIFT RESISTOR
LATCH
SELECTOR
FCLK
FSO1
FSO2
FSO3
Vf5
30 31 32 44 45 46 81 82 83 84 87 92 93 94 95
85 86 89 90 91 88
34 35 41 42 78 79 97 98
HV01 99
HV02 100
HV03 1
HV63 75
HV64 76
64 PIN
OUTPUT
SD1
A50 B50
A49 B49
A48 B48
A17 B17
A16 B16
A2 B2
A1 B1
To 1st 100 pins of
SCAN ELECTRODES
SD2
A34 B34
A33 B33
To 2nd 100 pins of
SCAN ELECTRODES

TH-42PHD5 / TH-42PHW5 SD-Board Block Diagram


IC6414
PDP SCAN DRIVER
IC6415
PDP SCAN DRIVER
IC6416
PDP SCAN DRIVER
Vf
Vf5
Vfo
FSO3
FSO4
FSO5
FCLK
FCL
PRO
SHIFT RESISTOR
LATCH
SELECTOR
HV01
HV02
HV03
HV63
HV64
64 PIN
OUTPUT
SD3
SD4
A50 B50
A49 B49
A48 B48
A17 B17
A16 B16
A34 B34
A33 B33
A2 B2
A1 B1
To 1st 100 pins of
SCAN ELECTRODES
To 2nd 100 pins of
SCAN ELECTRODES
To 3rd 100 pins of
SCAN ELECTRODES
To 4th 100 pins of
SCAN ELECTRODES

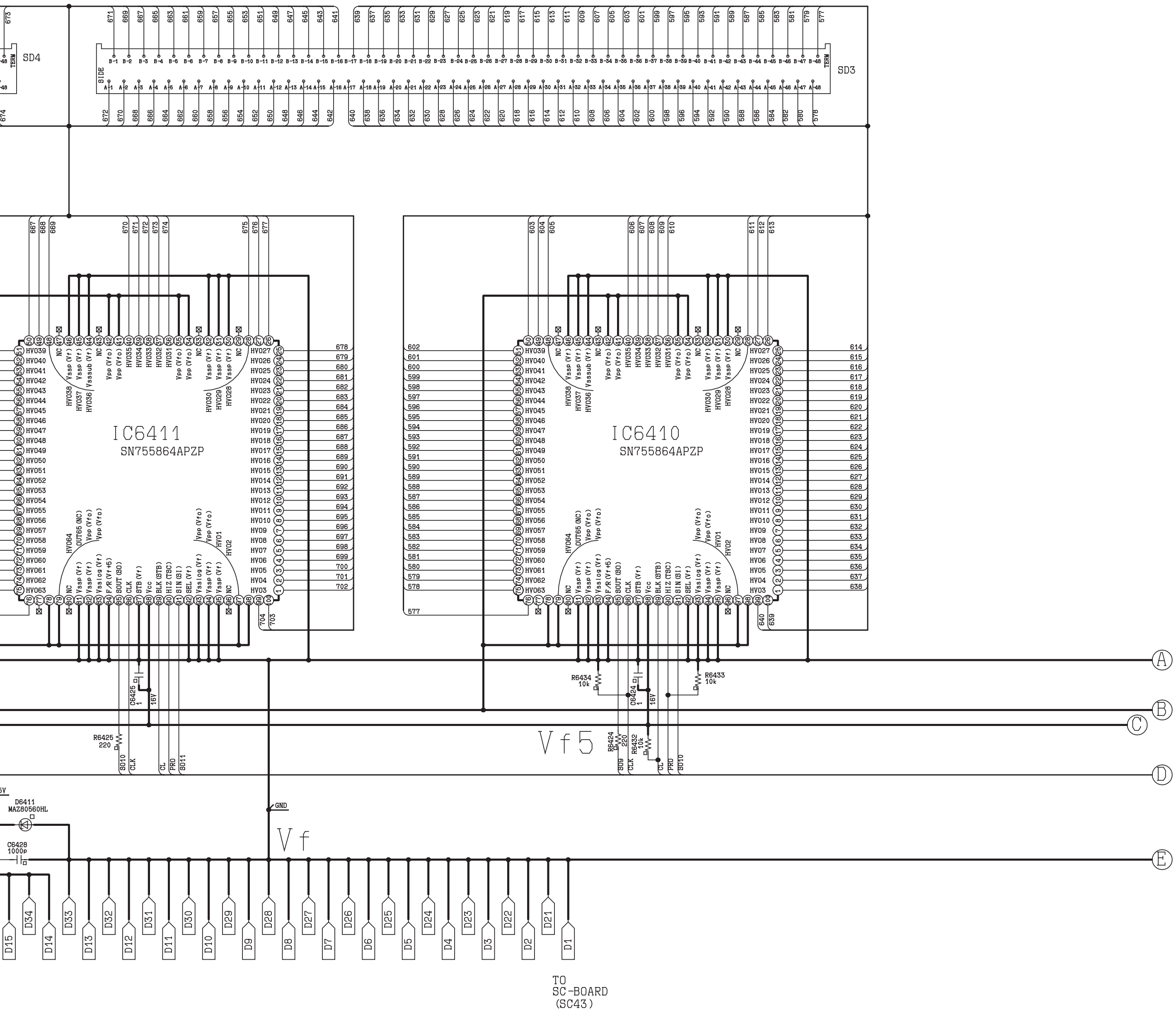
TH-42PHD5 / TH-42PHW5 SD-Board Block Diagram

14.41. SD-Board (1 of 2) Schematic Diagram


A
B
C
D
E
F
1
2
3
4
SD-BOARD TNPA2433 (1/2
DOWN
SD4
SIDE
TERM
IC6412
SN755864APZP
C6426
1
16V
R6426
220
R6425
220
SO11
SO10
CLK
CL
PRO
SI
5V
D6411
MAZ80560HL
C6428
1000P
FOIL SIDE (UP)
COMPONENT SIDE (DOWN)
D40
D39
D38
D37
D36
D35
D34
D33
D32
D20
D19
D18
D17
D16
D15
D14
D13

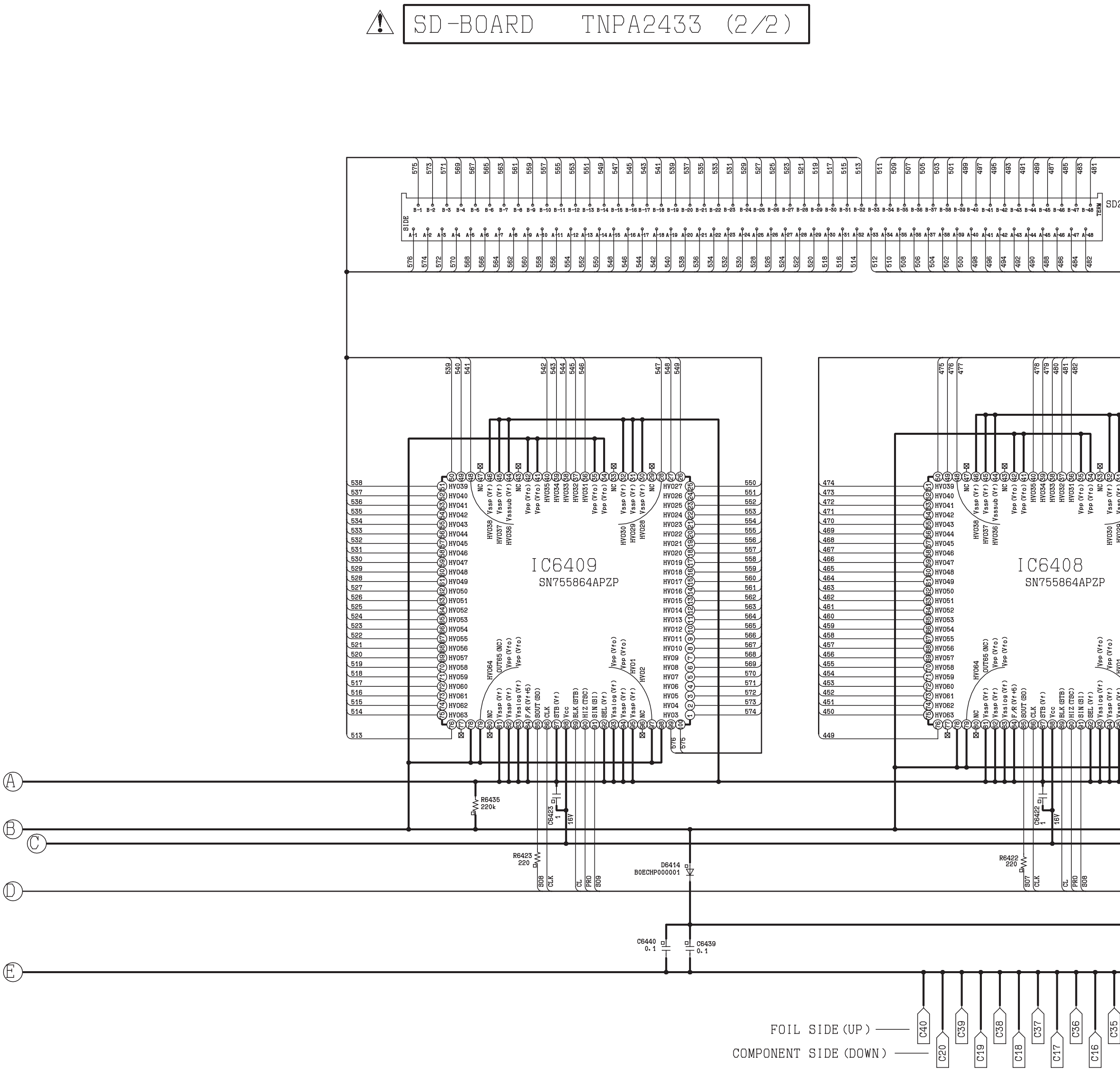
TH-42PHD5 / TH-42PHW5 SD-Board (1 of 2) Schematic Diagram

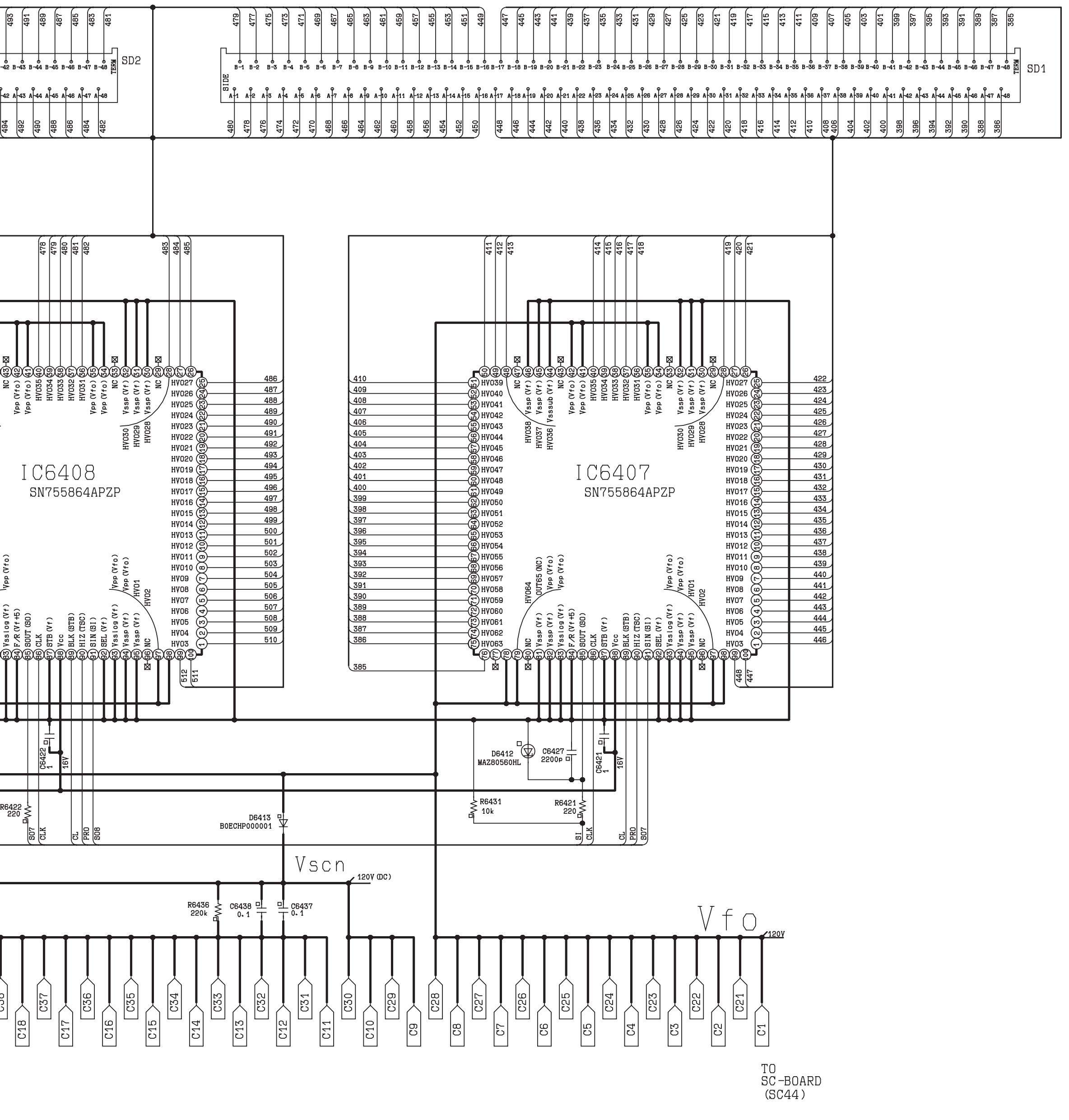
433 (1/2)


SD4
SD3
SIDE
TERM
IC6411
SN755864APZP
IC6410
SN755864APZP
R6434
10k
R6433
10k
C6426
1
16V
C6424
1
16V
R6425
220
R6424
220
R6432
10k
Vf5
Vf
GND
D6411
MAZ80560HL
C6428
1000p
SO10
CLK
CL
PRO
SO11
SO9
A
B
C
D
E
D15
D34
D14
D33
D13
D32
D12
D31
D11
D30
D10
D29
D9
D28
D8
D27
D7
D26
D6
D25
D5
D24
D4
D23
D3
D22
D2
D21
D1
TO
SC-BOARD
(SC43)

TH-42PHD5 / TH-42PHW5 SD-Board (1 of 2) Schematic Diagram

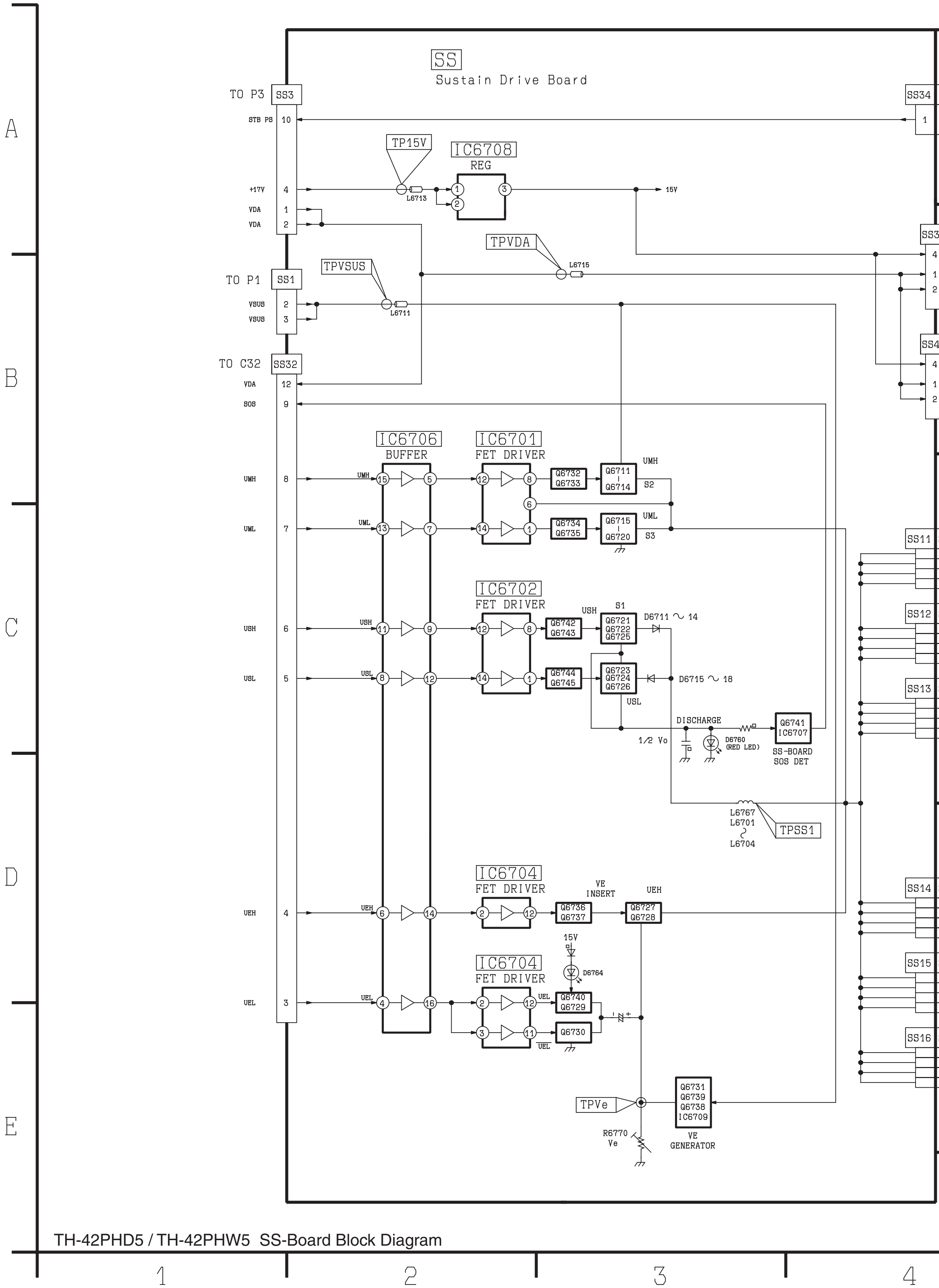
14.42. SD-Board (2 of 2) Schematic Diagram


SD-BOARD TNPA2433 (2/2)
IC6409
SN755864APZP
IC6408
SN755864APZP
R6435
220k
C6423
1
16V
R6423
220
D6414
B0ECHP000001
C6440
0.1
C6439
0.1
C6422
1
16V
R6422
220
A
B
C
D
E
FOIL SIDE (UP)
COMPONENT SIDE (DOWN)
C40
C39
C38
C37
C36
C35
C20
C19
C18
C17
C16

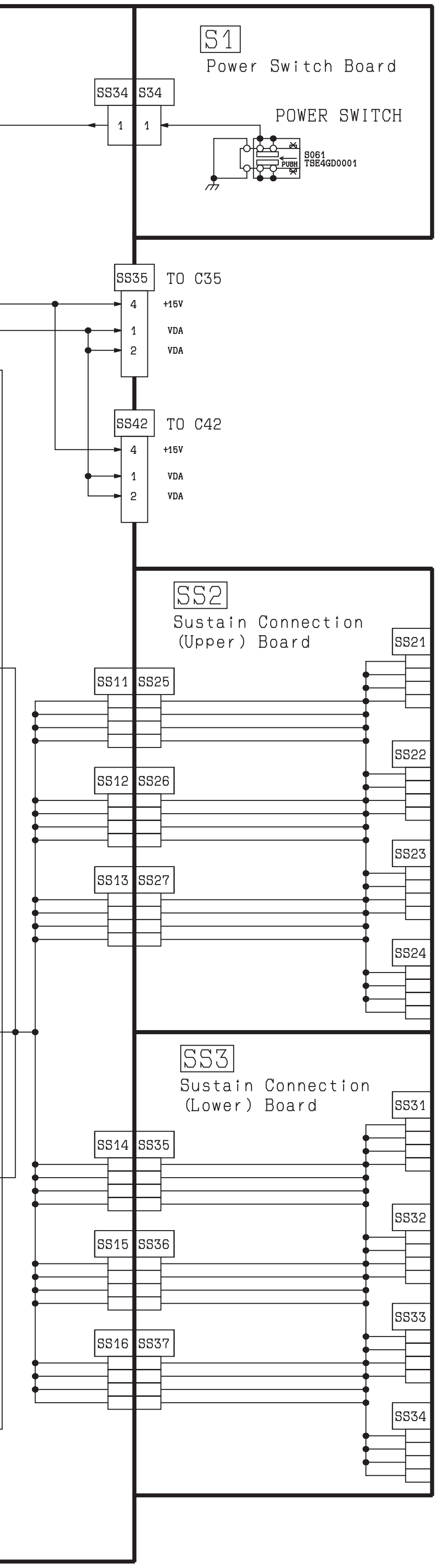

SD2
SD1
IC6408
SN755864APZP
IC6407
SN755864APZP
D6412
MAZ80560HL
C6427
2200p
C6421
1
16V
C6422
1
16V
R6431
10k
R6421
220
R6422
220
D6413
B0ECHP000001
Vscn
120V(DC)
R6436
220k
C6438
0.1
C6437
0.1
Vfo
120V
TO
SC-BOARD
(SC44)

TH-42PHD5 / TH-42PHW5 SD-Board (2 of 2) Schematic Diagram

14.43. SS-Board Block Diagram

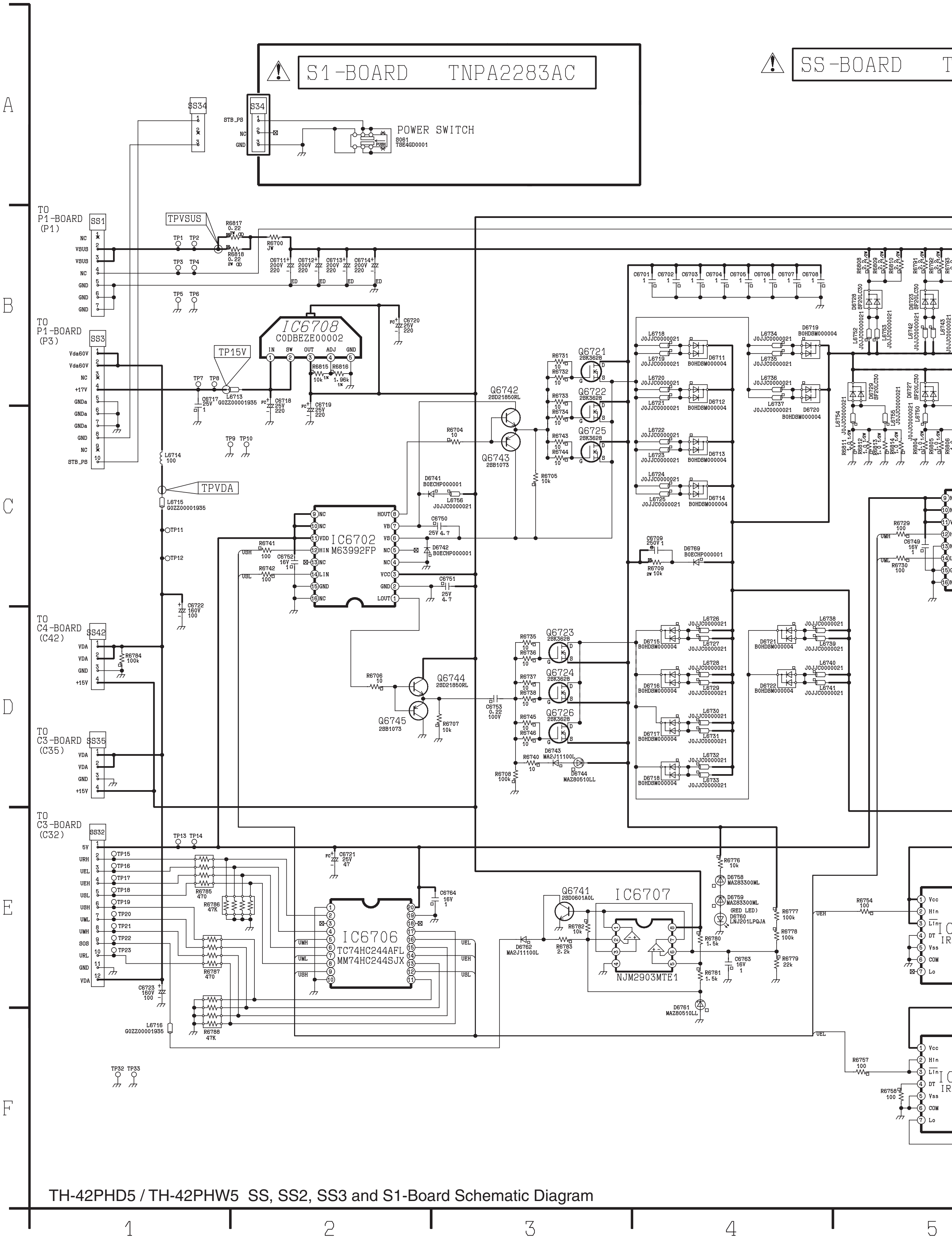

A
B
C
D
E
1
2
3
4
SS
Sustain Drive Board
TO P3
SS3
STB PS
10
+17V
4
VDA
1
VDA
2
TP15V
IC6708
REG
L6713
15V
TPVDA
L6715
TO P1
SS1
TPVSUS
VSUS
VSUS
3
L6711
TO C32
SS32
VDA
12
SOS
9
IC6706
BUFFER
IC6701
FET DRIVER
UMH
8
UML
7
Q6732
Q6733
Q6711
Q6714
Q6734
Q6735
Q6715
Q6720
S2
S3
IC6702
FET DRIVER
USH
6
USL
5
S1
Q6742
Q6743
Q6721
Q6722
Q6725
D6711 ~ 14
Q6744
Q6745
Q6723
Q6724
Q6726
D6715 ~ 18
DISCHARGE
1/2 Vo
D6760
(RED LED)
Q6741
IC6707
SS-BOARD
SOS DET
L6767
L6701
L6704
TPSS1
IC6704
FET DRIVER
UEH
VE
INSERT
Q6736
Q6737
Q6727
Q6728
15V
D6764
IC6704
FET DRIVER
UEL
3
Q6740
Q6729
Q6730
TPVe
R6770
Ve
Q6731
Q6739
Q6738
IC6709
VE
GENERATOR
SS34
SS3
SS4
SS11
SS12
SS13
SS14
SS15
SS16

TH-42PHD5 / TH-42PHW5 SS-Board Block Diagram

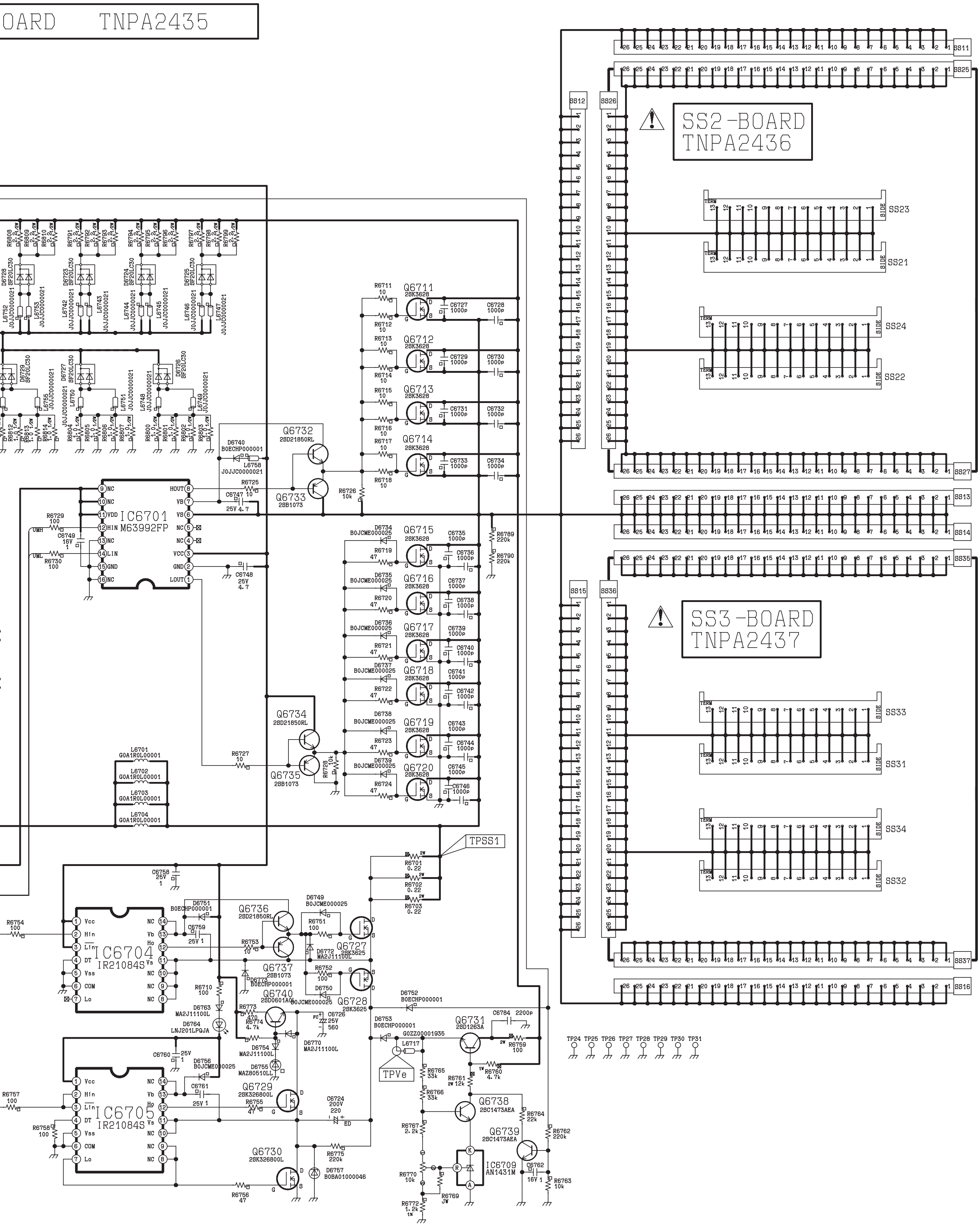

S1
Power Switch Board
SS34
S34
1
1
POWER SWITCH
S061
TSE4GD0001
PUSH
SS35
TO C35
4
+15V
1
VDA
2
VDA
SS42
TO C42
4
+15V
1
VDA
2
VDA
SS2
Sustain Connection
(Upper) Board
SS21
SS11
SS25
SS22
SS12
SS26
SS23
SS13
SS27
SS24
SS3
Sustain Connection
(Lower) Board
SS31
SS14
SS35
SS32
SS15
SS36
SS33
SS16
SS37
SS34

TH-42PHD5 / TH-42PHW5 SS-Board Block Diagram

14.44. SS, SS2, SS3 and S1-Board Schematic Diagram


A
B
C
D
E
F
1
2
3
4
5
S1-BOARD TNPA2283AC
SS-BOARD T
SS34
S34
STB_PS
NC
GND
POWER SWITCH
S061
TSE4GD0001
PUSH
TO P1-BOARD (P1)
SS1
NC
VSUS
VSUS
NC
GND
GND
GND
TPVSUS
TP1
TP2
TP3
TP4
TP5
TP6
R6817 0.22
R6818 0.22
R6700 JW
C6711 200V 220
C6712 200V 220
C6713 200V 220
C6714 200V 220
TO P1-BOARD (P3)
SS3
Vda60V
Vda60V
NC
+17V
GNDa
GNDa
GNDa
GND
NC
STB_PS
IC6708
C0DBEZE00002
IN
SW
OUT
ADJ
GND
TP15V
R6815 10k
R6816 1.96k
C6720 25V 220
TP7
TP8
L6713 G0ZZ00001935
C6717 25V 1
C6718 25V 220
C6719 25V 220
TP9
TP10
L6714 100
TPVDA
L6715 G0ZZ00001935
TP11
TP12
IC6702
M63992FP
HOUT
VB
VS
NC
VCC
GND
LOUT
HIN
LIN
VDD
R6741 100
R6742 100
C6752 16V 1
C6750 25V 4.7
C6751 25V 4.7
D6741 B0ECHP000001
D6742 B0ECHP000001
L6756 J0JJC0000021
R6704 10
Q6742 2SD2185ORL
Q6743 2SB1073
Q6721 2SK3628
Q6722 2SK3628
Q6725 2SK3628
R6731 10
R6732 10
R6733 10
R6734 10
R6743 10
R6744 10
R6705 10k
C6701
C6702
C6703
C6704
C6705
C6706
C6707
C6708
L6718 J0JJC0000021
L6719 J0JJC0000021
D6711 B0HDSM000004
L6720 J0JJC0000021
L6721 J0JJC0000021
D6712 B0HDSM000004
L6722 J0JJC0000021
L6723 J0JJC0000021
D6713 B0HDSM000004
L6724 J0JJC0000021
L6725 J0JJC0000021
D6714 B0HDSM000004
L6734 J0JJC0000021
L6735 J0JJC0000021
D6719 B0HDSM000004
L6736 J0JJC0000021
L6737 J0JJC0000021
D6720 B0HDSM000004
C6709 250V 1
D6769 B0ECHP000001
R6709 2W 10k
R6729 100
C6749 16V 1
R6730 100
UMH
UML
C6722 160V 100
TO C4-BOARD (C42)
SS42
VDA
VDA
GND
+15V
R6784 100k
TO C3-BOARD (C35)
SS35
VDA
VDA
GND
+15V
R6706 10
Q6744 2SD2185ORL
Q6745 2SB1073
R6707 10k
C6753 0.22 100V
Q6723 2SK3628
Q6724 2SK3628
Q6726 2SK3628
R6735 10
R6736 10
R6737 10
R6738 10
R6745 10
R6746 10
R6740 10
D6743 MA2J11100L
D6744 MAZ80510LL
R6708 100k
L6726 J0JJC0000021
L6727 J0JJC0000021
D6715 B0HDSM000004
L6728 J0JJC0000021
L6729 J0JJC0000021
D6716 B0HDSM000004
L6730 J0JJC0000021
L6731 J0JJC0000021
D6717 B0HDSM000004
L6732 J0JJC0000021
L6733 J0JJC0000021
D6718 B0HDSM000004
L6738 J0JJC0000021
L6739 J0JJC0000021
D6721 B0HDSM000004
L6740 J0JJC0000021
L6741 J0JJC0000021
D6722 B0HDSM000004
TO C3-BOARD (C32)
SS32
5V
URH
UEL
UEH
USL
USH
UML
UMH
SOS
URL
GND
VDA
TP13
TP14
TP15
TP16
TP17
TP18
TP19
TP20
TP21
TP22
TP23
R6785 470
R6786 47K
R6787 470
R6788 47K
C6721 25V 47
C6764 16V 1
IC6706
TC74HC244AFL
MM74HC244SJX
C6723 160V 100
L6716 G0ZZ00001935
TP32
TP33
Q6741 2SD0601A0L
IC6707
NJM2903MTE1
D6762 MA2J11100L
R6782 10k
R6783 2.2k
R6776 10k
D6758 MAZ83300ML
D6759 MAZ83300ML
(RED LED)
D6760 LNJ201LPQJA
R6780 1.5k
R6781 1.5k
C6763 16V 1
R6777 100k
R6778 100k
R6779 22k
D6761 MAZ80510LL
R6754 100
R6757 100
R6758 100
UEH
UEL
Vcc
Hin
Lin
DT
Vss
COM
Lo
IC
IR
R6808
R6809
R6810
R6791
R6792
D6728 SF20LC30
D6723 SF20LC30
D6729 SF20LC30
D6727 SF20LC30
L6752 J0JJC0000021
L6753 J0JJC0000021
L6742 J0JJC0000021
L6754 J0JJC0000021
L6755 J0JJC0000021
L6750
R6811
R6812
R6813
R6814
R6804
R6805
R6806

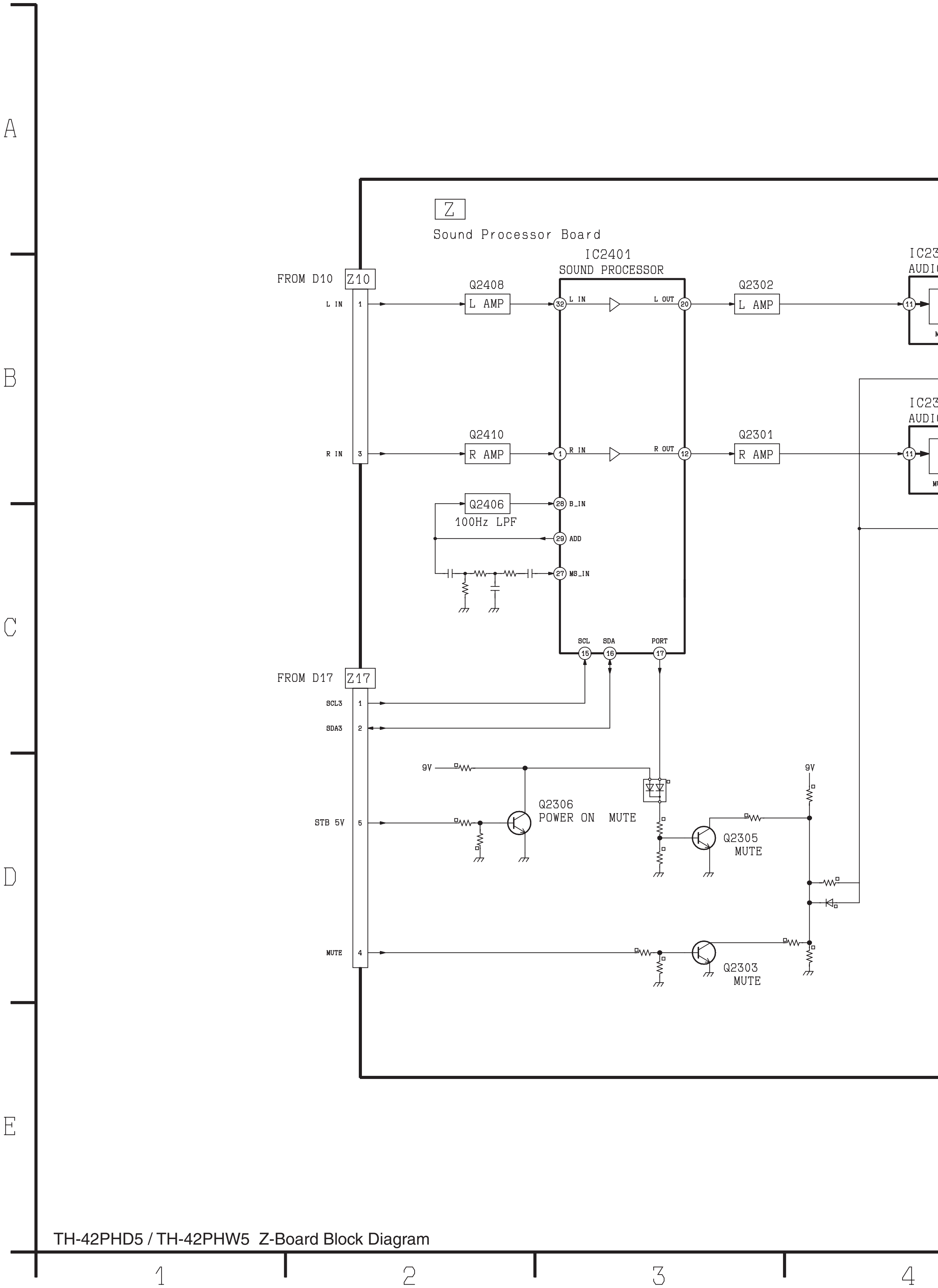
TH-42PHD5 / TH-42PHW5 SS, SS2, SS3 and S1-Board Schematic Diagram


OARD TNPA2435
SS2-BOARD
TNPA2436
SS3-BOARD
TNPA2437
SS11
SS25
SS12
SS26
SS23
SS21
SS24
SS22
SS27
SS13
SS14
SS35
SS15
SS36
SS33
SS31
SS34
SS32
SS37
SS16
IC6701
M63992FP
IC6704
IR21084S
IC6705
IR21084S
IC6709
AN1431M
Q6711
Q6712
Q6713
Q6714
Q6715
Q6716
Q6717
Q6718
Q6719
Q6720
Q6727
Q6728
Q6729
Q6730
Q6731
Q6732
Q6733
Q6734
Q6735
Q6736
Q6737
Q6738
Q6739
Q6740
TPSS1
TPVe
TP24
TP25
TP26
TP27
TP28
TP29
TP30
TP31

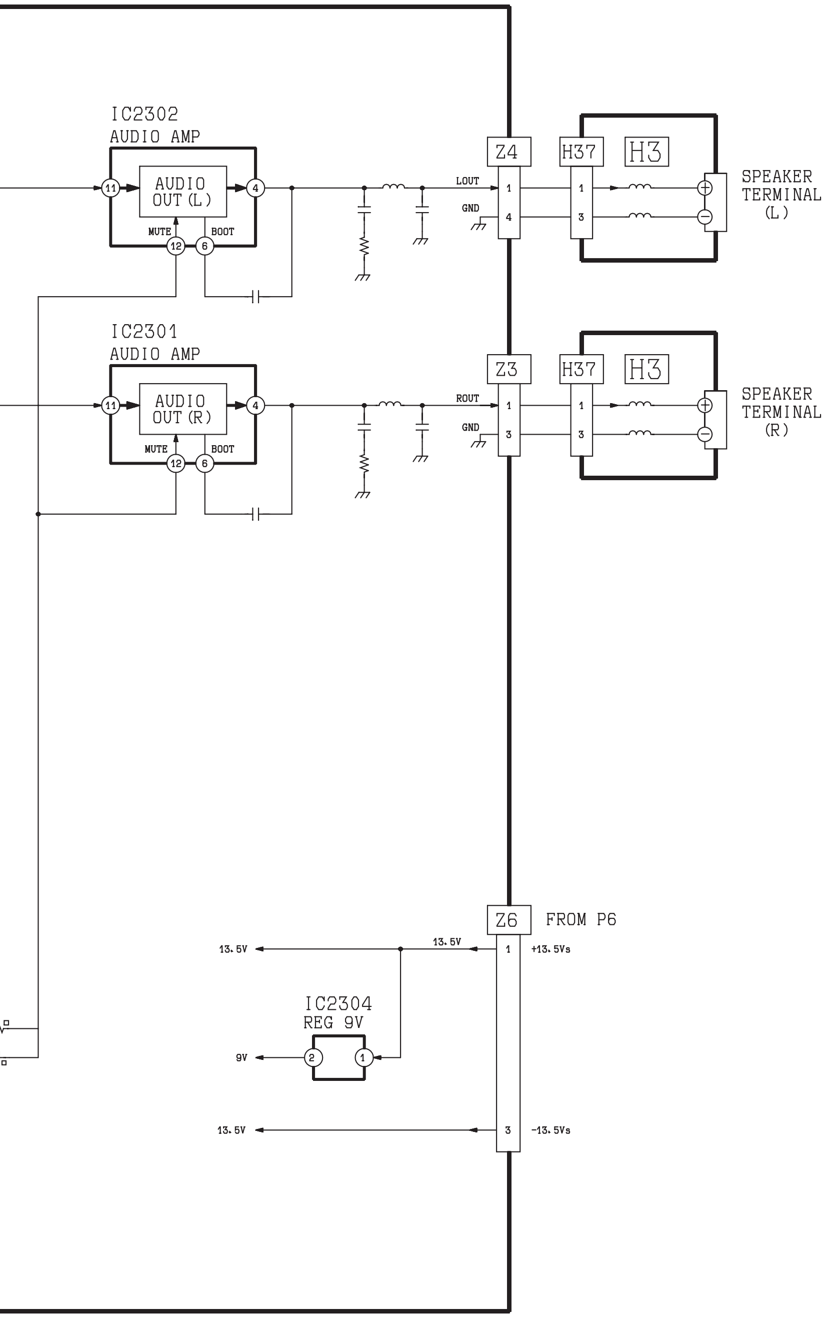
TH-42PHD5 / TH-42PHW5 SS, SS2, SS3 and S1-Board Schematic Diagram

5
6
7
8
9

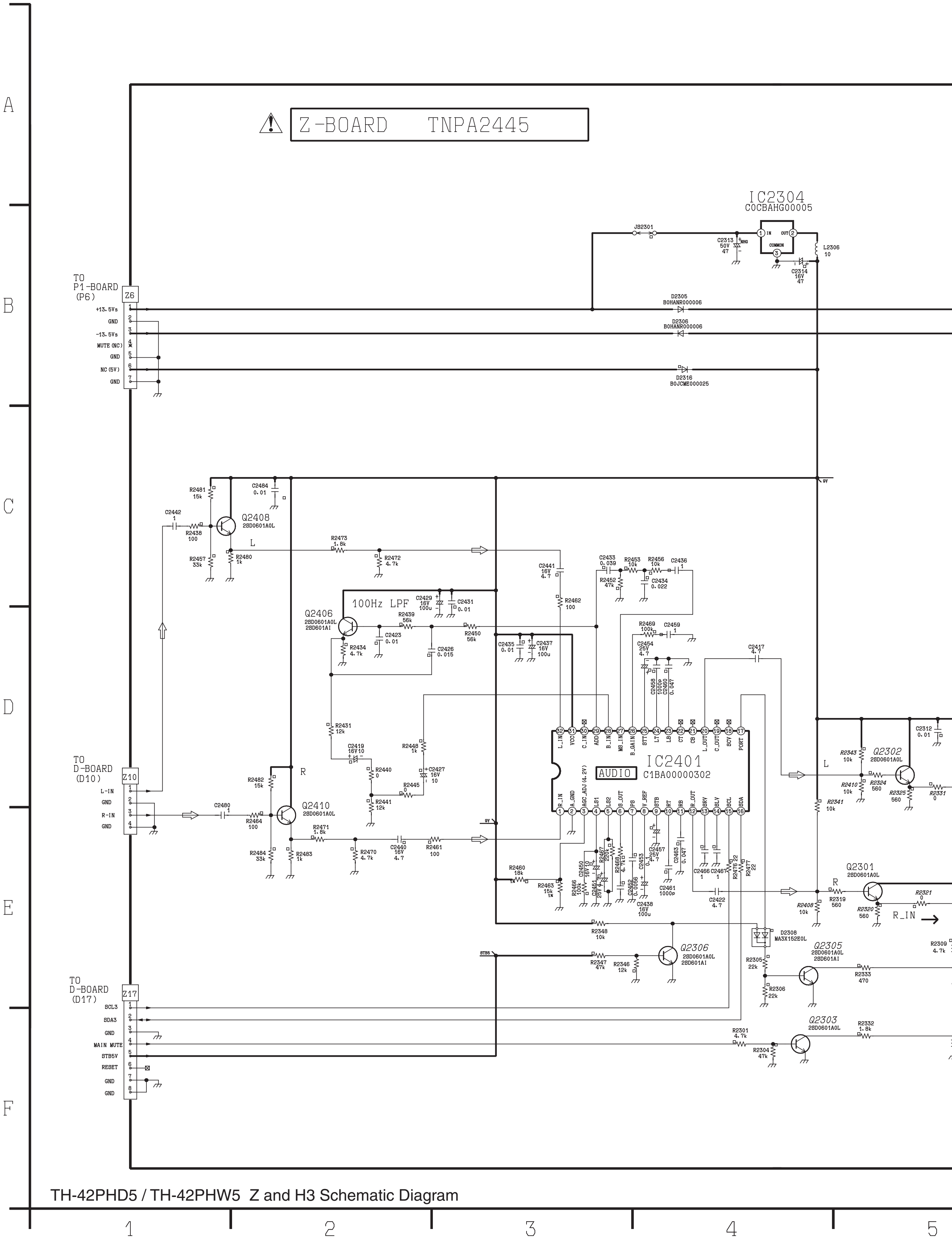
14.45. Z-Board Block Diagram


A
B
C
D
E
1
2
3
4
Z
Sound Processor Board
IC2401
SOUND PROCESSOR
FROM D10
Z10
L IN
1
R IN
3
Q2408
L AMP
Q2410
R AMP
Q2406
100Hz LPF
32
L IN
L OUT
20
1
R IN
R OUT
12
28
B_IN
29
ADD
27
MS_IN
SCL
15
SDA
16
PORT
17
Q2302
L AMP
Q2301
R AMP
IC23
AUDI
11
FROM D17
Z17
SCL3
1
SDA3
2
9V
STB 5V
5
Q2306
POWER ON MUTE
9V
Q2305
MUTE
MUTE
4
Q2303
MUTE

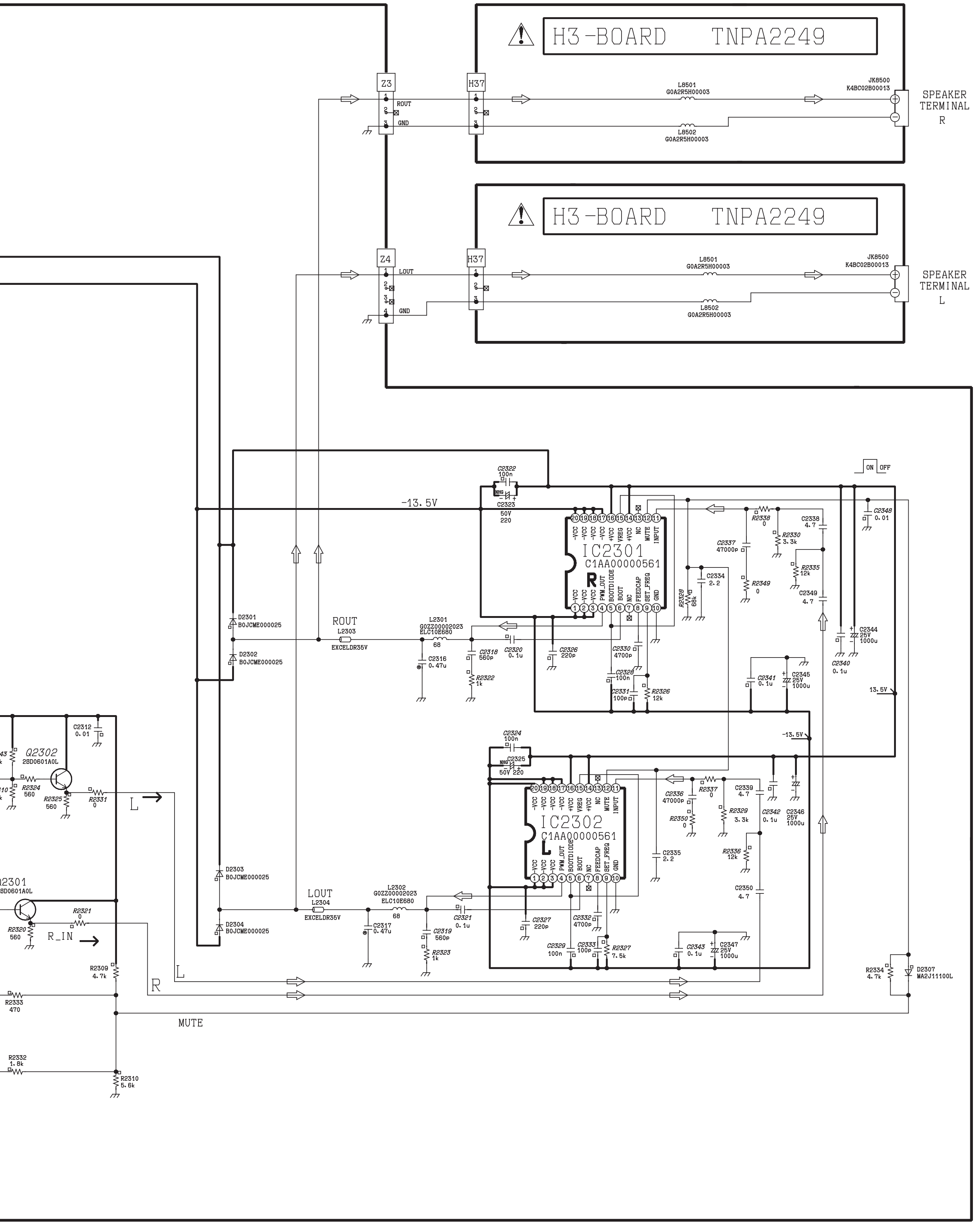
TH-42PHD5 / TH-42PHW5 Z-Board Block Diagram


IC2302
AUDIO AMP
AUDIO OUT (L)
11
4
MUTE
BOOT
12
6
LOUT
GND
Z4
1
4
H37
1
3
H3
SPEAKER TERMINAL (L)
IC2301
AUDIO AMP
AUDIO OUT (R)
11
4
MUTE
BOOT
12
6
ROUT
GND
Z3
1
3
H37
1
3
H3
SPEAKER TERMINAL (R)
Z6
FROM P6
13.5V
13.5V
1
+13.5Vs
IC2304
REG 9V
9V
2
1
13.5V
3
-13.5Vs

14.46. H3 and Z-Board Schematic Diagram


A
B
C
D
E
F
1
2
3
4
5
Z-BOARD TNPA2445
IC2304
C0CBAHG00005
JS2301
C2313 50V 47
IN
OUT
COMMON
L2306 10
C2314 16V 47
TO P1-BOARD (P6)
Z6
+13.5Vs
GND
-13.5Vs
MUTE (NC)
GND
NC (5V)
GND
D2305 B0HANR000006
D2306 B0HANR000006
D2316 B0JCME000025
9V
R2481 15k
C2484 0.01
C2442 1
Q2408 2SD0601A0L
R2438 100
R2457 33k
R2480 1k
L
R2473 1.8k
R2472 4.7k
100Hz LPF
Q2406 2SD0601A0L 2SD601AI
C2429 16V 100u
C2431 0.01
R2439 56k
C2423 0.01
R2434 4.7k
C2426 0.015
R2450 56k
C2441 16V 4.7
R2462 100
C2435 0.01
C2437 16V 100u
C2433 0.039
R2453 10k
R2456 10k
C2436 1
R2452 47k
C2434 0.022
R2469 100k
C2459 1
C2454 25V 4.7
C2458 1000p
C2460 0.047
C2417 4.7
IC2401
AUDIO
C1BA00000302
L_IN
VCC
C_IN
ADJ
B_IN
MS_IN
B_GAIN
STI
LT
LB
CT
CB
L_OUT
C_OUT
SCV
PORT
R_IN
A_GND
AGC_ADJ (4.2V)
LS1
LS2
S_OUT
PB
V_REF
STB
RT
RB
R_OUT
SRV
SLV
SCL
SDA
TO D-BOARD (D10)
Z10
L-IN
GND
R-IN
GND
R2431 12k
C2419 16V 10
R2448 1k
C2427 16V 10
R2440 0
R2445 0
R2441 12k
R2482 15k
R
C2480 1
R2464 100
Q2410 2SD0601A0L
R2471 1.8k
R2484 33k
R2483 1k
R2470 4.7k
C2440 16V 4.7
R2461 100
R2460 18k
R2463 15k 1k
R2466 100k
C2450 16V 10
C2451 25V 4.7
R2467 220k
R2468 4.7k
C2452 0.0056
C2453
C2438 16V 100u
C2457 25V 4.7
C2461 1000p
C2463 0.047
C2466 1
C2467 1
C2422 4.7
R2476 22
R2477 22
R2348 10k
Q2306 2SD0601A0L 2SD601AI
STB5
R2347 47k
R2346 12k
D2308 MA3X152E0L
Q2305 2SD0601A0L 2SD601AI
R2305 22k
R2306 22k
R2333 470
TO D-BOARD (D17)
Z17
SCL3
SDA3
GND
MAIN MUTE
STB5V
RESET
GND
GND
R2301 4.7k
R2304 47k
Q2303 2SD0601A0L
R2332 1.8k
C2312 0.01
R2343 10k
Q2302 2SD0601A0L
R2410 10k
R2324 560
R2325 560
R2331 0
R2341 10k
Q2301 2SD0601A0L
R2319 560
R2408 10k
R2320 560
R2321 0
R_IN
R2309 4.7k

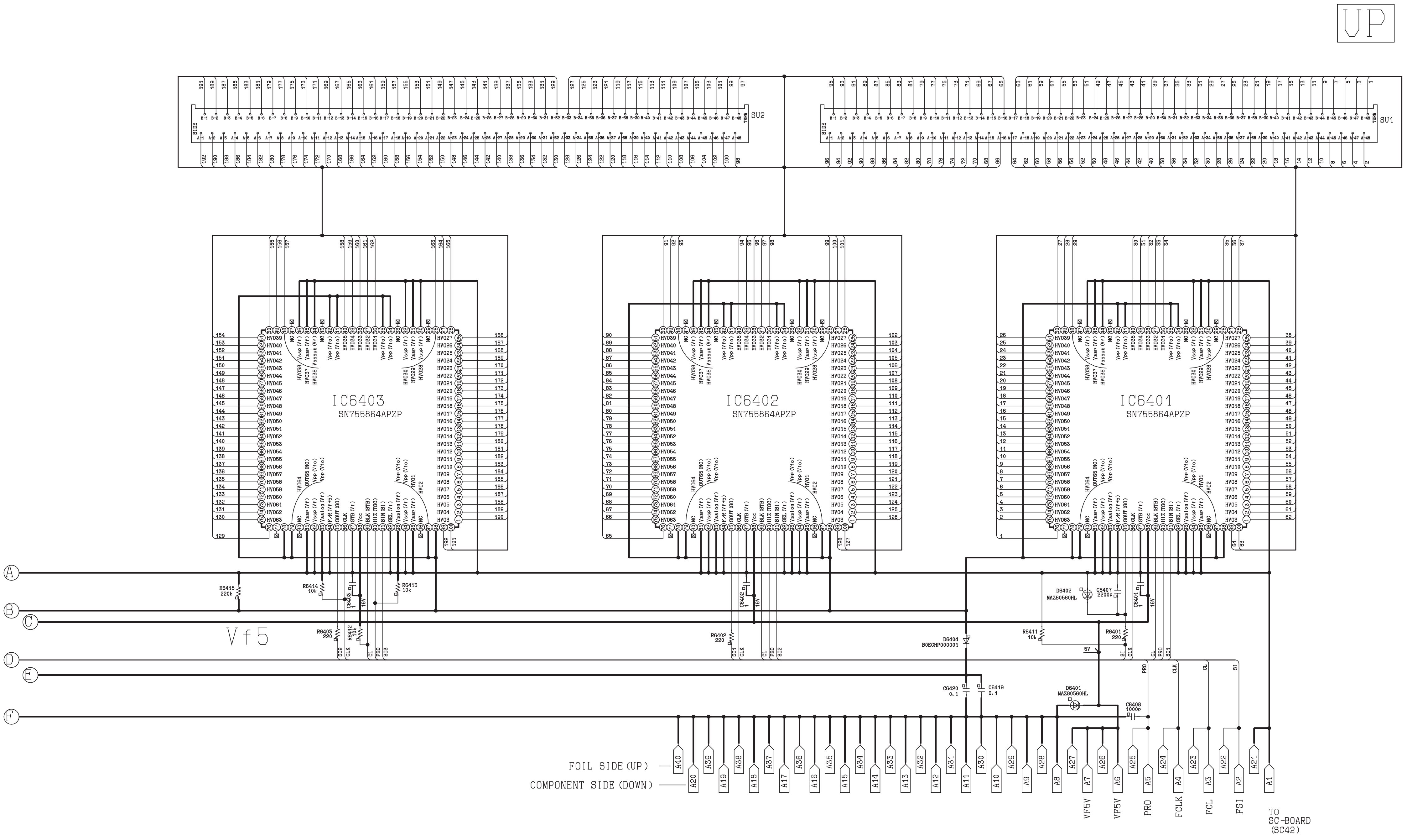
TH-42PHD5 / TH-42PHW5 Z and H3 Schematic Diagram

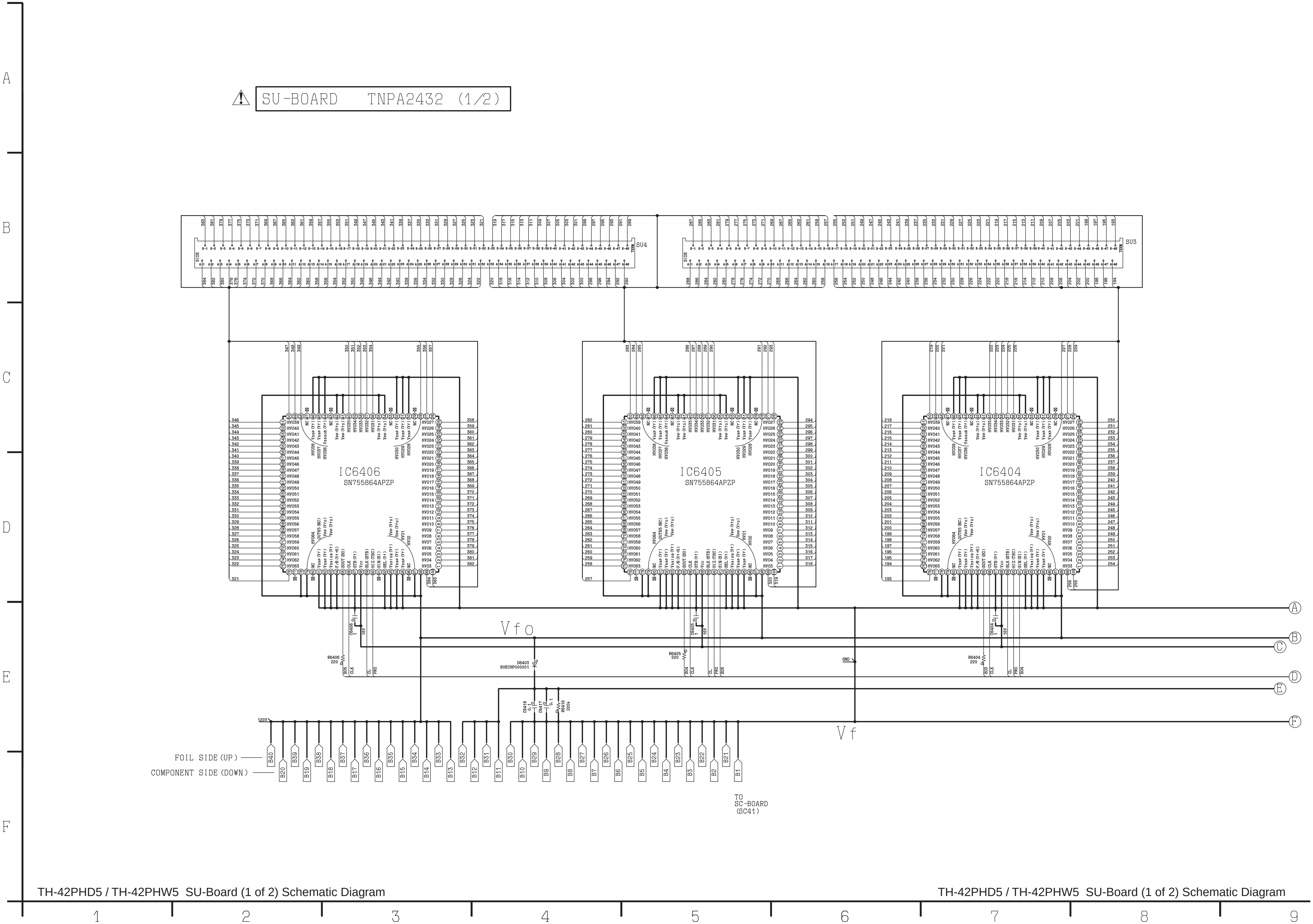

H3-BOARD TNPA2249
H3-BOARD TNPA2249
Z3
H37
ROUT
GND
L8501
G0A2R5H00003
L8502
G0A2R5H00003
JK8500
K4BC02B00013
SPEAKER TERMINAL R
Z4
LOUT
SPEAKER TERMINAL L
-13.5V
13.5V
-13.5V
ON OFF
IC2301
C1AA00000561
R
IC2302
C1AA00000561
L
-VCC
+VCC
VREG
NC
MUTE
INPUT
PWM_OUT
BOOTDIODE
BOOT
FEEDCAP
SET_FREQ
GND
C2322 100n
C2323 50V 220
C2324 100n
C2325 50V 220
L2301 G0ZZ00002023 ELC10E680 68
L2302 G0ZZ00002023 ELC10E680 68
L2303 EXCELDR35V
L2304 EXCELDR35V
D2301 B0JCME000025
D2302 B0JCME000025
D2303 B0JCME000025
D2304 B0JCME000025
C2316 0.47u
C2317 0.47u
C2318 560p
C2319 560p
C2320 0.1u
C2321 0.1u
R2322 1k
R2323 1k
C2326 220p
C2327 220p
C2330 4700p
C2332 4700p
C2328 100n
C2329 100n
C2331 100p
C2333 100p
R2326 12k
R2327 7.5k
R2328 68k
C2334 2.2
C2335 2.2
C2336 47000p
C2337 47000p
R2338 0
R2337 0
R2330 3.3k
R2329 3.3k
C2338 4.7
C2339 4.7
R2335 12k
R2336 12k
C2349 4.7
C2350 4.7
R2349 0
R2350 0
C2348 0.01
C2344 25V 1000u
C2340 0.1u
C2341 0.1u
C2345 25V 1000u
C2342 0.1u
C2346 25V 1000u
C2343 0.1u
C2347 25V 1000u
R2334 4.7k
D2307 MA2J11100L
C2312 0.01
Q2302 2SD0601A0L
R2324 560
R2325 560
R2331 0
Q2301
2SD0601A0L
R2320 560
R2321 0
R_IN
R2309 4.7k
R2333 470
R2332 1.8k
R2310 5.6k
L
R
MUTE

TH-42PHD5 / TH-42PHW5 Z and H3 Schematic Diagram

5 6 7 8 9

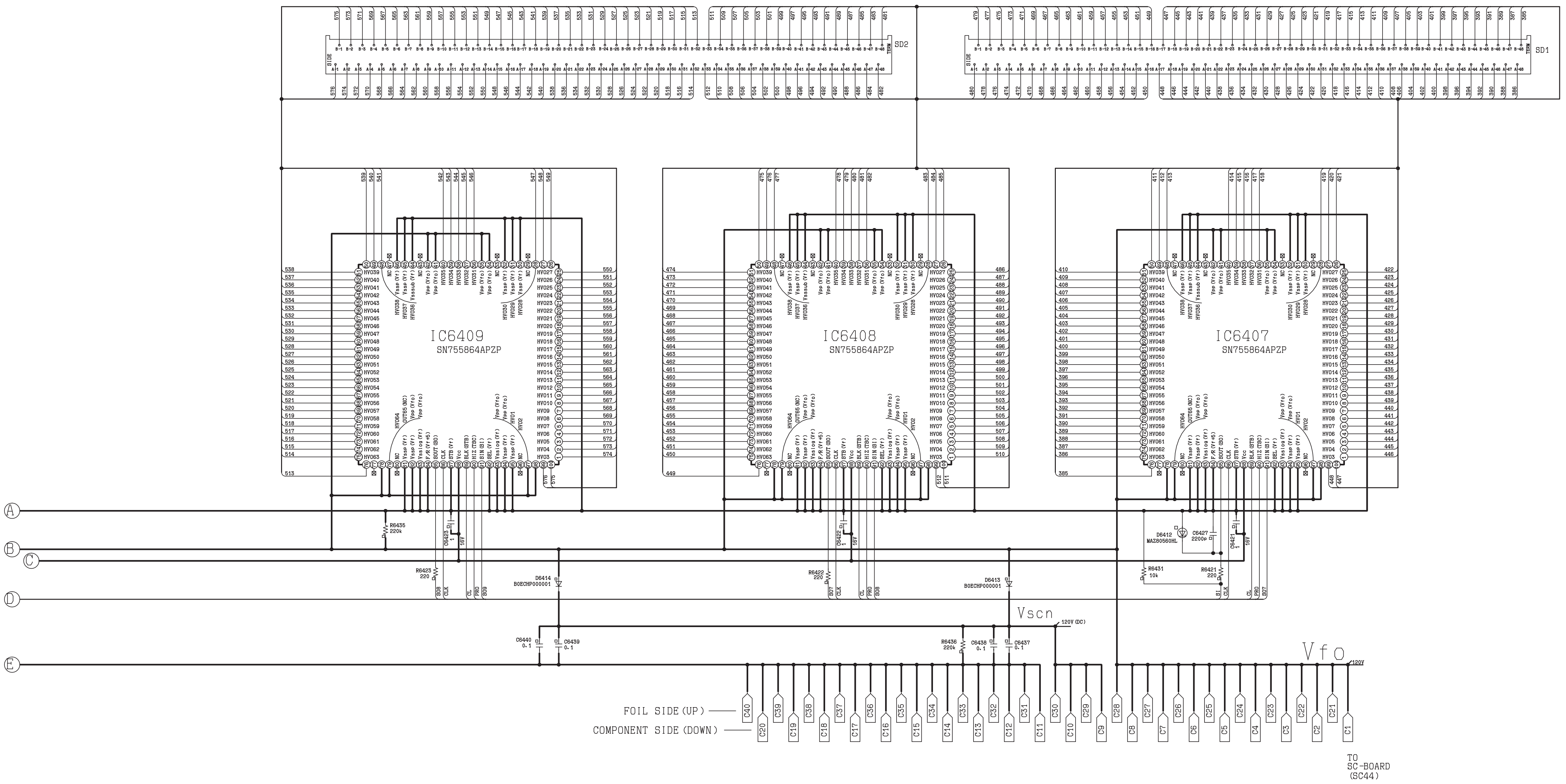
⚠ SU-BOARD TNPA2432 (2/2)

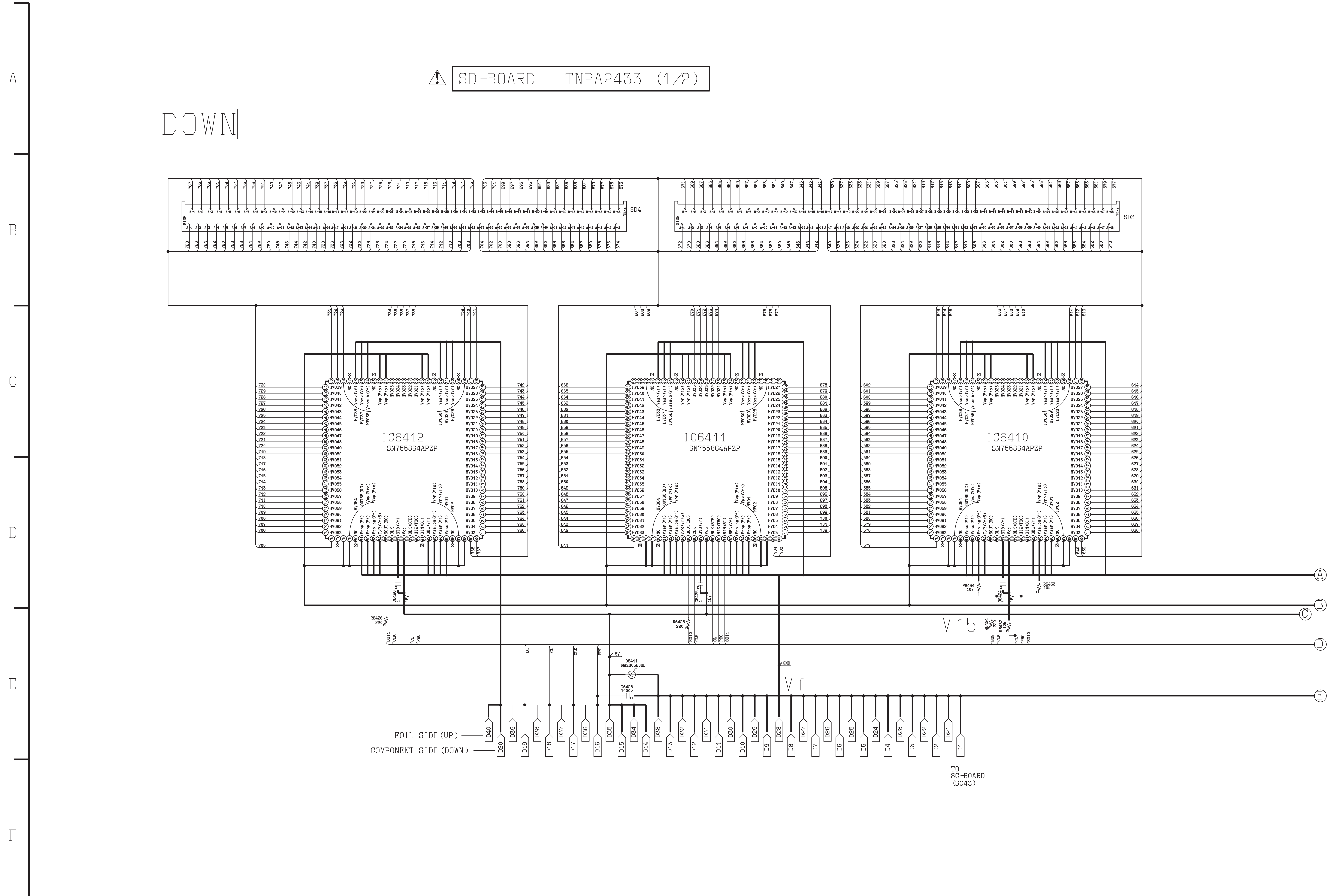

UP
SU2
SU1
SIDE
TERM
IC6403
SN755864APZP
IC6402
SN755864APZP
IC6401
SN755864APZP
Ⓐ
Ⓑ
Ⓒ
Ⓓ
Ⓔ
Ⓕ
R6415 220k
R6414 10k
R6413 10k
C6403
16V
R6403 220
R6412 10k
Vf5
SO2
CLK
CL
PRO
SO3
R6402 220
C6402
SO1
D6404 B0ECHP000001
D6402 MAZ80560HL
C6407 2200p
C6401
R6411 10k
R6401 220
5V
SI
C6420 0.1
C6419 0.1
D6401 MAZ80560HL
C6408 1000p
FOIL SIDE (UP)
COMPONENT SIDE (DOWN)
A40
A20
A39
A19
A38
A18
A37
A17
A36
A16
A35
A15
A34
A14
A33
A13
A32
A12
A31
A11
A30
A10
A29
A9
A28
A8
A27
A7
A26
A6
A25
A5
A24
A4
A23
A3
A22
A2
A21
A1
VF5V
VF5V
PRO
FCLK
FCL
FSI
TO SC-BOARD (SC42)


SU-BOARD TNPA2432 (1/2)
SU4
SU3
IC6406
SN755864APZP
IC6405
SN755864APZP
IC6404
SN755864APZP
Vfo
Vf
C6406
R6406
220
C6405
R6405
220
C6404
R6404
220
D6403
B0ECHP000001
C6418
C6417
R6416
GND
120V
FOIL SIDE (UP)
COMPONENT SIDE (DOWN)
TO
SC-BOARD
(SC41)
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

TH-42PHD5 / TH-42PHW5 SU-Board (1 of 2) Schematic Diagram

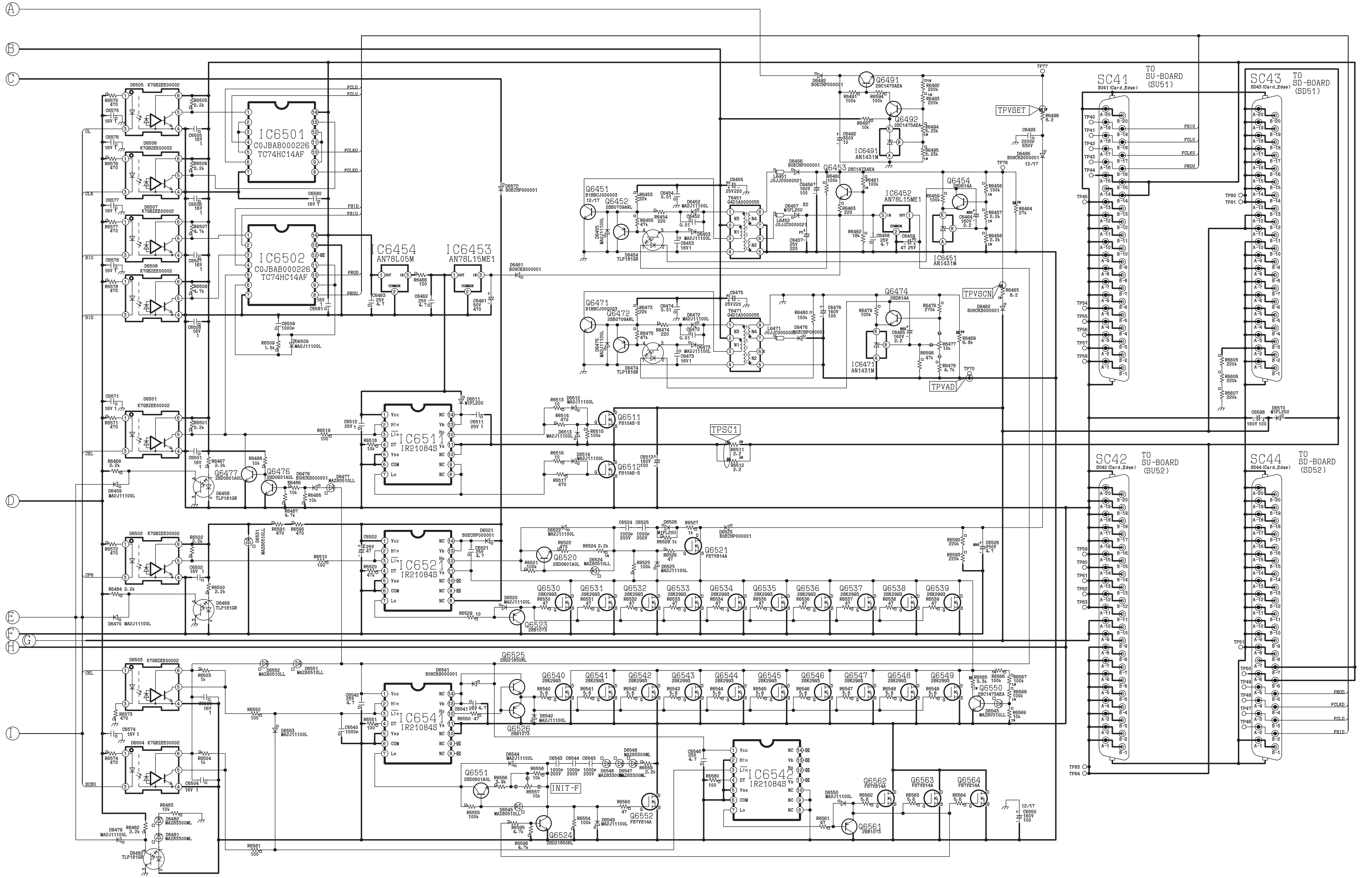
⚠ SD-BOARD TNPA2433 (2/2)


SD2
SD1
IC6409
SN755864APZP
IC6408
SN755864APZP
IC6407
SN755864APZP
Ⓐ
Ⓑ
Ⓒ
Ⓓ
Ⓔ
R6435 220k
C6423 1 16V
R6423 220
D6414 B0ECHP000001
C6440 0.1
C6439 0.1
C6422 1 16V
R6422 220
D6413 B0ECHP000001
Vscn
120V (DC)
R6436 220k
C6438 0.1
C6437 0.1
D6412 MAZ80560HL
C6427 2200p
C6421 1 16V
R6431 10k
R6421 220
Vfo
120V
FOIL SIDE (UP)
COMPONENT SIDE (DOWN)
C40 C39 C38 C37 C36 C35 C34 C33 C32 C31 C30 C29 C28 C27 C26 C25 C24 C23 C22 C21
C20 C19 C18 C17 C16 C15 C14 C13 C12 C11 C10 C9 C8 C7 C6 C5 C4 C3 C2 C1
TO SC-BOARD (SC44)


SD-BOARD TNPA2433 (1/2)
DOWN
SD4
SD3
IC6412
SN755864APZP
IC6411
SN755864APZP
IC6410
SN755864APZP
R6426 220
C6426 1 16V
R6425 220
C6425 1 16V
R6434 10k
R6433 10k
C6424 1 16V
R6424 220
R6432 10k
D6411 MAZ80560HL
C6428 1000p
5V
GND
Vf5
Vf
FOIL SIDE (UP)
COMPONENT SIDE (DOWN)
D40 D39 D38 D37 D36 D35 D34 D33 D32 D31 D30 D29 D28 D27 D26 D25 D24 D23 D22 D21
D20 D19 D18 D17 D16 D15 D14 D13 D12 D11 D10 D9 D8 D7 D6 D5 D4 D3 D2 D1
TO SC-BOARD (SC43)
SI CL CLK PRO
A B C D E
A B C D E F
1 2 3 4 5 6 7 8 9

TH-42PHD5 / TH-42PHW5 SD-Board (1 of 2) Schematic Diagram

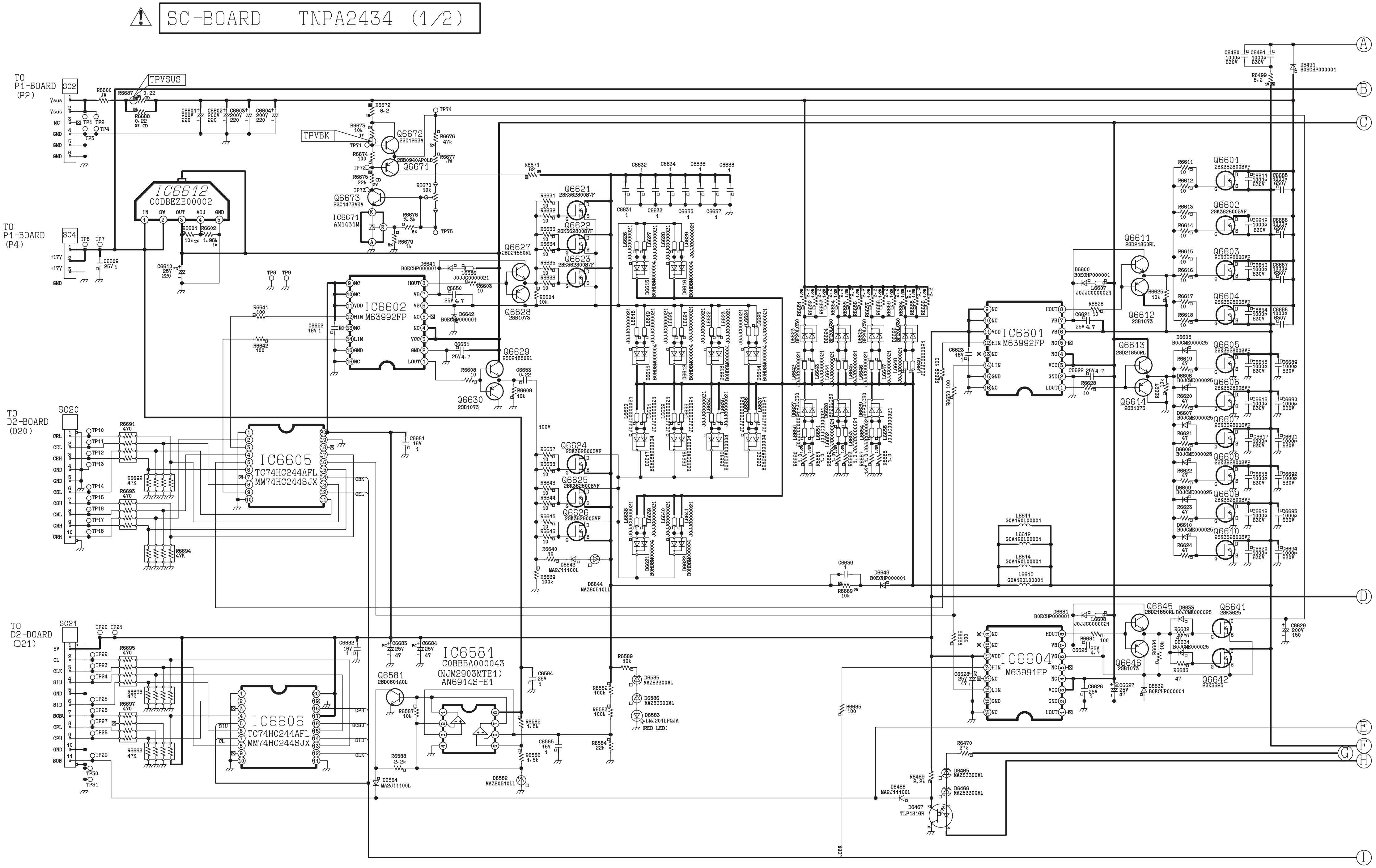
⚠ SC-BOARD TNPA2434 (2/2)


A
B
C
D
E
F
G
H
I
IC6501
C0JBAB000226
TC74HC14AF
IC6502
C0JBAB000226
TC74HC14AF
IC6454
AN78L05M
IC6453
AN78L15ME1
IC6511
IR21084S
IC6521
IR21084S
IC6541
IR21084S
IC6542
IR21084S
IC6491
AN1431M
IC6452
AN78L15ME1
IC6451
AN1431M
IC6471
AN1431M
Q6491
2SC1473AEA
Q6492
2SC1473AEA
Q6451
B1BBCJ000003
Q6452
2SB0709ARL
Q6453
2SC1473AEA
Q6454
2SD814A
Q6471
B1BBCJ000003
Q6472
2SB0709ARL
Q6474
2SD814A
Q6511
FS10AS-3
Q6512
FS10AS-3
Q6476
2SD0601A0L
Q6477
2SD0601A0L
Q6520
2SD0601A0L
Q6521
FS7VS14A
Q6523
2SB1073
Q6524
2SD21850RL
Q6525
2SD21850RL
Q6526
2SB1073
Q6530
Q6531
Q6532
Q6533
Q6534
Q6535
Q6536
Q6537
Q6538
Q6539
2SK2993
Q6540
Q6541
Q6542
Q6543
Q6544
Q6545
Q6546
Q6547
Q6548
Q6549
2SK2993
Q6550
2SC1473AEA
Q6551
2SD0601A0L
Q6552
FS7VS14A
Q6561
2SB1073
Q6562
Q6563
Q6564
FS7VS14A
D6501
D6502
D6503
D6504
D6505
D6506
D6507
D6508
K7GBZEE00002
TPVSET
TPVSCN
TPVAD
TPSC1
INIT-F
SC41
SU41 (Card Edge)
TO SU-BOARD (SU51)
SC42
SU42 (Card Edge)
TO SU-BOARD (SU52)
SC43
SD43 (Card Edge)
TO SD-BOARD (SD51)
SC44
SD44 (Card Edge)
TO SD-BOARD (SD52)
CL
CLK
SIU
SID
CEL
CPH
SCBU
FCLD
FCLU
FCLKU
FCLKD
FSID
FSIU
PROD
PROU
FCLK
FCLKD
FCLKU
FCLU
TP77
TP76
TP70
TP40
TP41
TP42
TP43
TP44
TP45
TP54
TP55
TP56
TP57
TP58
TP59
TP60
TP61
TP62
TP63
TP80
TP81
TP51
TP50
TP49
TP48
TP47
TP46
TP83
TP84

TH-42PHD5 / TH-42PHW5 SC-Board (2 of 2) Schematic Diagram

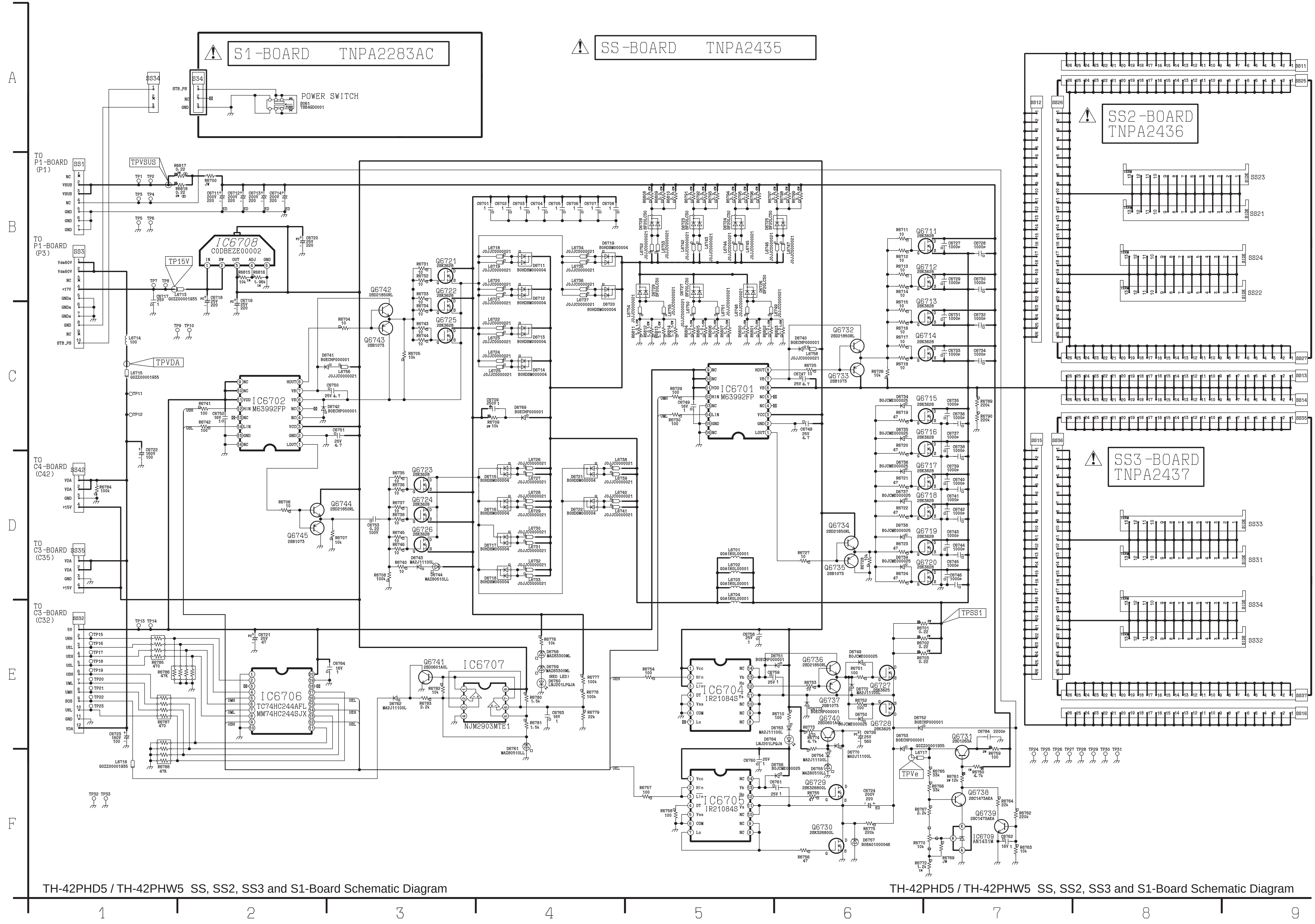
TH-42PHD5 / TH-42PHW5 SC-Board (2 of 2) Schematic Diagram

9 10 11 12 13 14 15 16 17



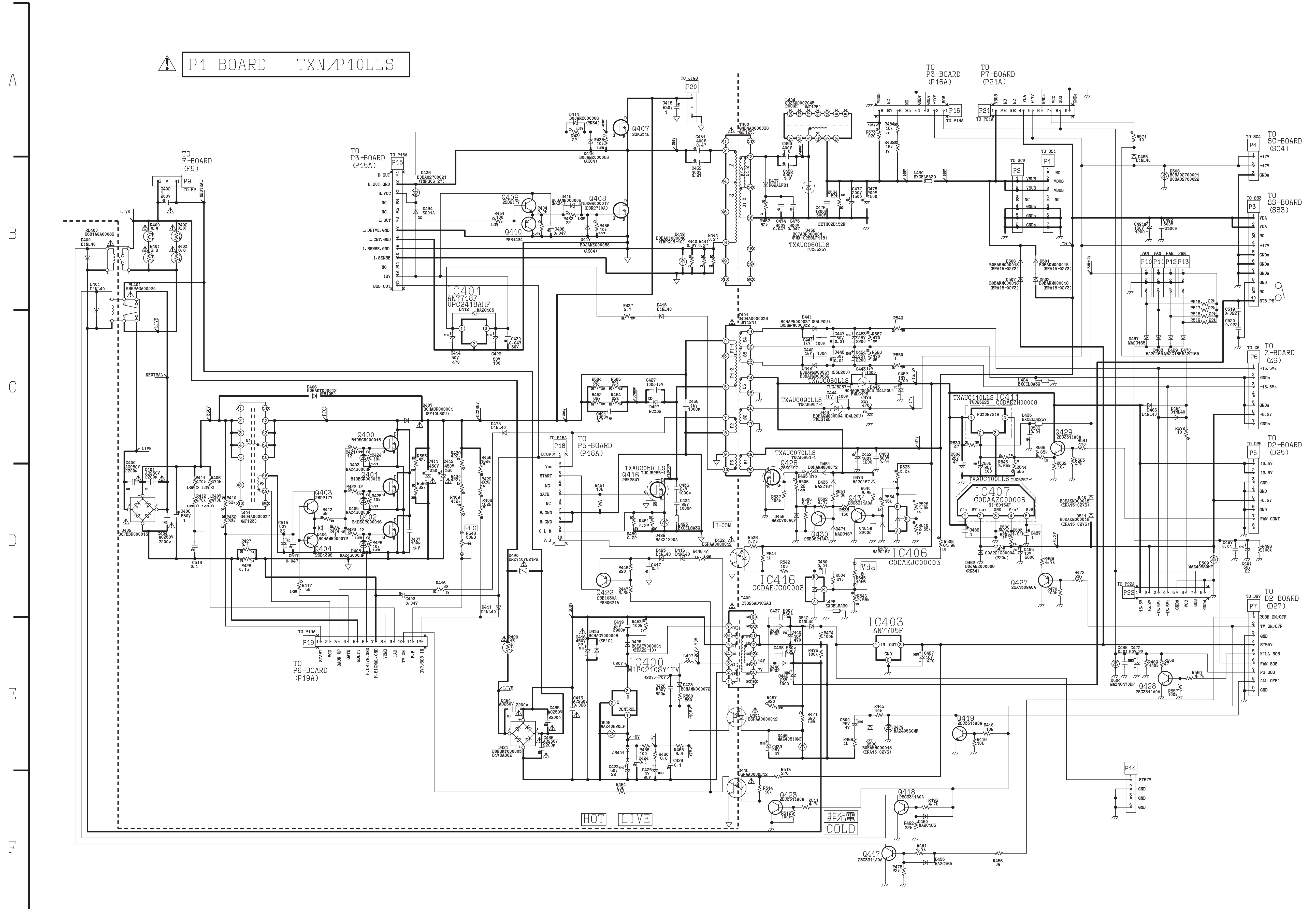
SC-BOARD TNPA2434 (1/2)
TO P1-BOARD (P2)
SC2
TPVSUS
TPVBK
TO P1-BOARD (P4)
SC4
IC6612
C0DBEZE00002
IC6671
AN1431M
Q6672
2SD1263A
Q6671
Q6673
2SC1473AEA
IC6602
M63992FP
Q6627
2SD21850RL
Q6628
2SB1073
Q6629
2SD21850RL
Q6630
2SB1073
Q6621
Q6622
Q6623
Q6624
Q6625
Q6626
2SK3628008VF
TO D2-BOARD (D20)
SC20
IC6605
TC74HC244AFL
MM74HC244SJX
TO D2-BOARD (D21)
SC21
IC6606
TC74HC244AFL
MM74HC244SJX
Q6581
2SD0601A0L
IC6581
C0BBBA000043
(NJM2903MTE1)
AN6914S-E1
D6583
LNJ201LPGJA
(RED LED)
IC6601
M63992FP
Q6611
2SD21850RL
Q6612
2SB1073
Q6613
2SD21850RL
Q6614
2SB1073
Q6601
Q6602
Q6603
Q6604
Q6605
Q6606
Q6607
Q6608
Q6609
Q6610
2SK3628008VF
IC6604
M63991FP
Q6645
2SD21850RL
Q6646
2SB1073
Q6641
Q6642
2SK3625
D6467
TLP181GR
A
B
C
D
E
F
G
H
I

TH-42PHD5 / TH-42PHW5 SC-Board (1 of 2) Schematic Diagram


S1-BOARD TNPA2283AC
SS-BOARD TNPA2435
SS2-BOARD TNPA2436
SS3-BOARD TNPA2437
POWER SWITCH
S34
SS34
TO P1-BOARD (P1)
SS1
TO P1-BOARD (P3)
SS3
TO C4-BOARD (C42)
SS42
TO C3-BOARD (C35)
SS35
TO C3-BOARD (C32)
SS32
TPVSUS
TP15V
TPVDA
TPSS1
TPVe
IC6708
C0DBEZE00002
IC6702
M63992FP
IC6701
M63992FP
IC6706
TC74HC244AFL
MM74HC244SJX
IC6707
NJM2903MTE1
IC6704
IR21084S
IC6705
IR21084S
IC6709
AN1431M
SS11
SS25
SS12
SS26
SS23
SS21
SS24
SS22
SS27
SS13
SS14
SS35
SS15
SS36
SS33
SS31
SS34
SS32
SS37
SS16
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

TH-42PHD5 / TH-42PHW5 SS, SS2, SS3 and S1-Board Schematic Diagram

TH-42PHD5 / TH-42PHW5 SS, SS2, SS3 and S1-Board Schematic Diagram



P1-BOARD TXN/P10LLS
TO F-BOARD (F9)
P9
TO P3-BOARD (P15A)
P15
TO JIGU
P20
TO P3-BOARD (P16A)
P16
TO P7-BOARD (P21A)
P21
TO SC-BOARD (SC4)
P4
TO SS-BOARD (SS3)
P3
TO Z-BOARD (Z6)
P6
TO D2-BOARD (D25)
P5
TO D2-BOARD (D27)
P7
TO P5-BOARD (P18A)
P18
TO P6-BOARD (P19A)
P19
P22
P14
P1
P2
P10
P11
P12
P13
IC401 AN7718F UPC2418AHF
IC400 MIP0210SY1TY
IC403 AN7705F
IC406 C0DAEJC00003
IC416 C0DAEJC00003
IC407 C0DAAZG00006
IC411 C0DAEZH00008
TXAUC060LLS
TXAUC080LLS
TXAUC090LLS
TXAUC070LLS
TXAUC050LLS
TXAUC110LLS
TXAUC100LLS
T400
T401
T402
Q400
Q401
Q402
Q403
Q404
Q407
Q408
Q409
Q410
Q416
Q417
Q418
Q419
Q422
Q423
Q426
Q427
Q428
Q429
Q430
Q431
RL400
RL401
L401
PFC
H-COM
HOT
LIVE
非充電
COLD
LIVE
NEUTRAL
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

TH-42PHD5 / TH-42PHW5 P1-Board Schematic Diagram

TH-42PHD5 / TH-42PHW5 P1-Board Schematic Diagram

Remarks:

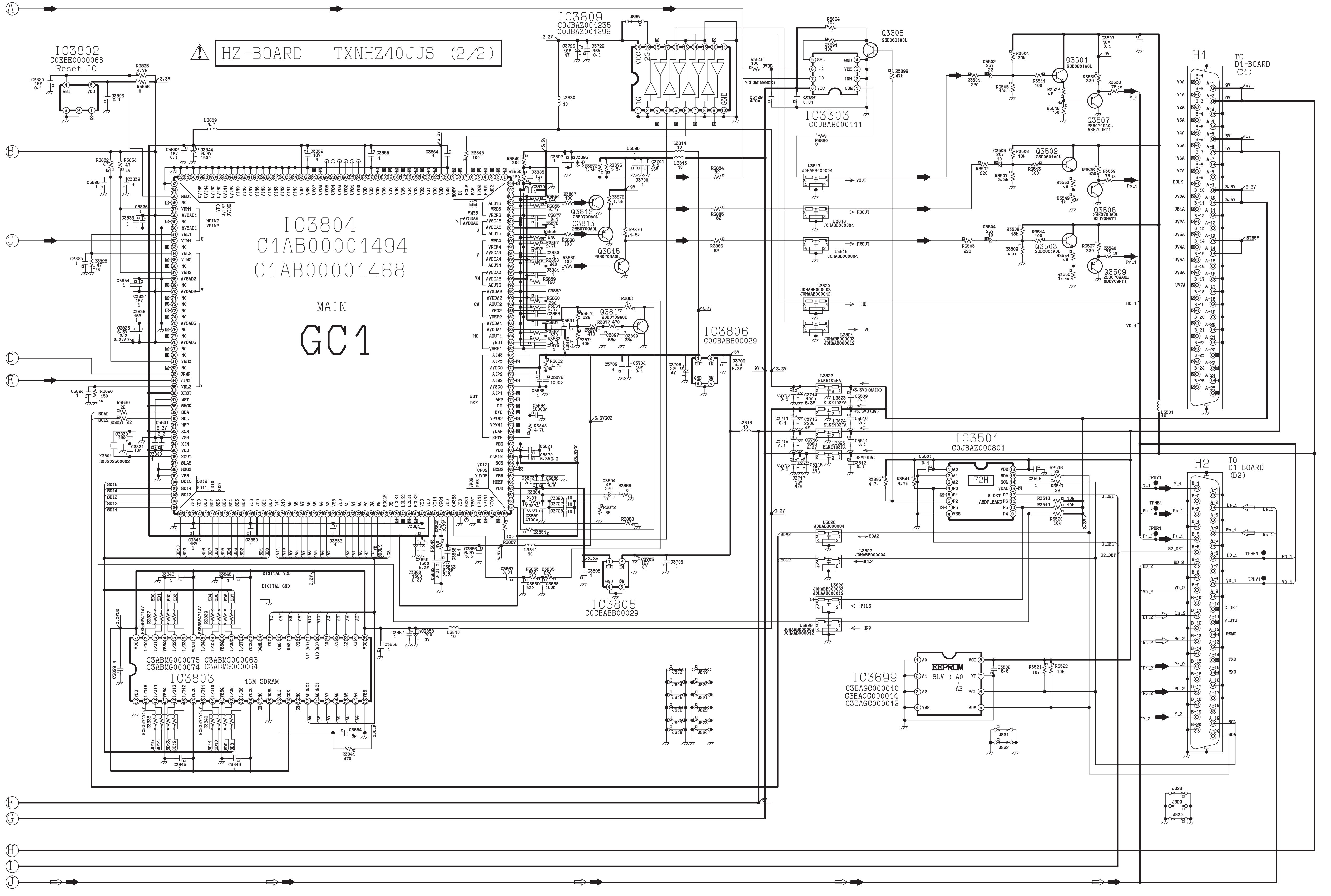
1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.
   The circuit is defined by HOT and COLD indications in the schematic diagram. Take the follwing precautions.
   All circuits, except the Power Circuit, are cold.
   Precautions
   - a. Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
   - b. Do not short- circuit the hot and cold circuits or a fuse may blow and parts may break.
   - c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow.
     Connect the earth of instruments to the earth connection of the circuit being measured.
   - d. Make sure to disconnect the power plug before removing the chassis.
2. Following diodes are interchangeable.
   MA150- MA162 (Replacement part)

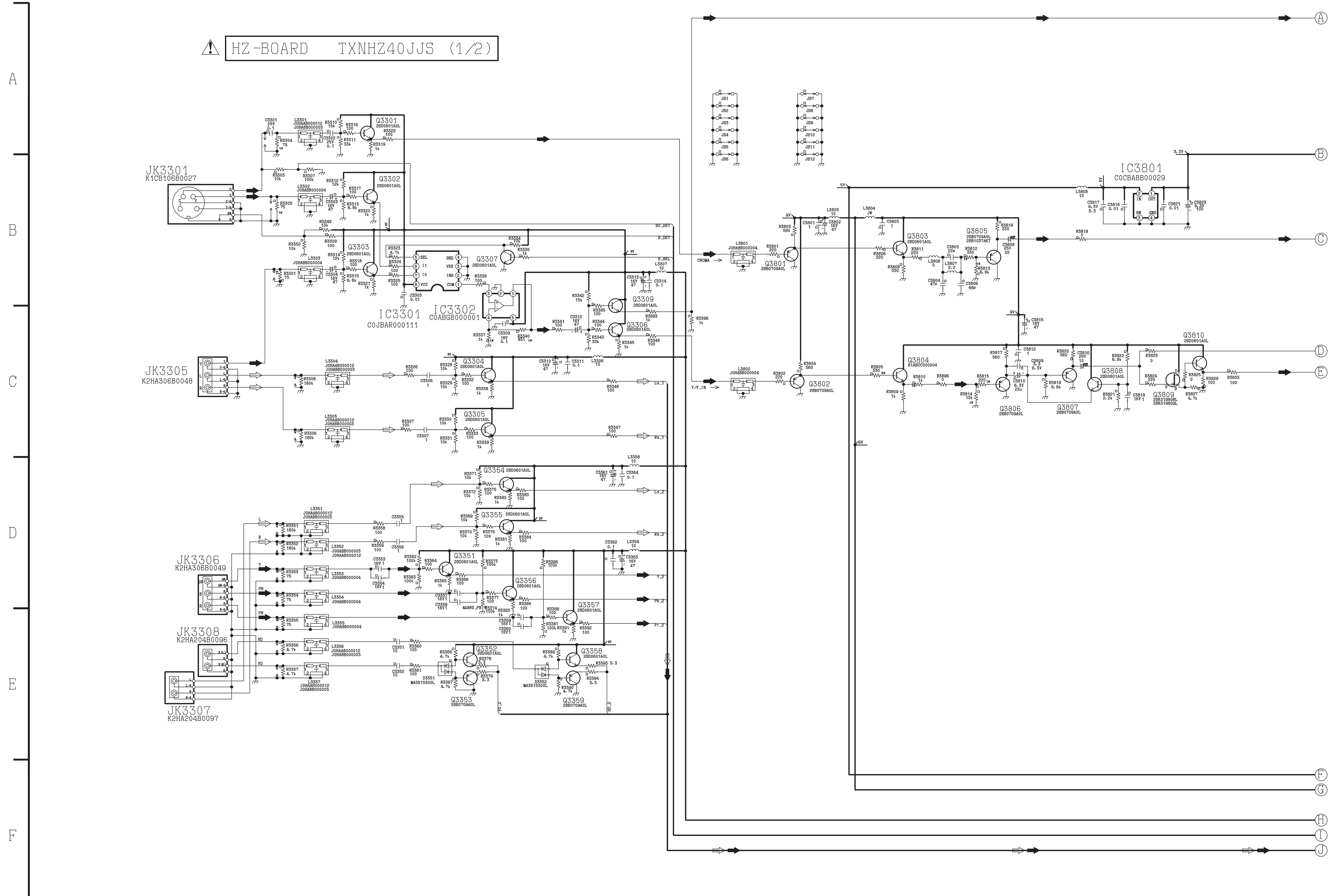
Important Safety Notice

Components identified by ⚠ mark have special characteristics important for safety.
When replacing any of these components, use only manufacture's specified parts.

Notes:

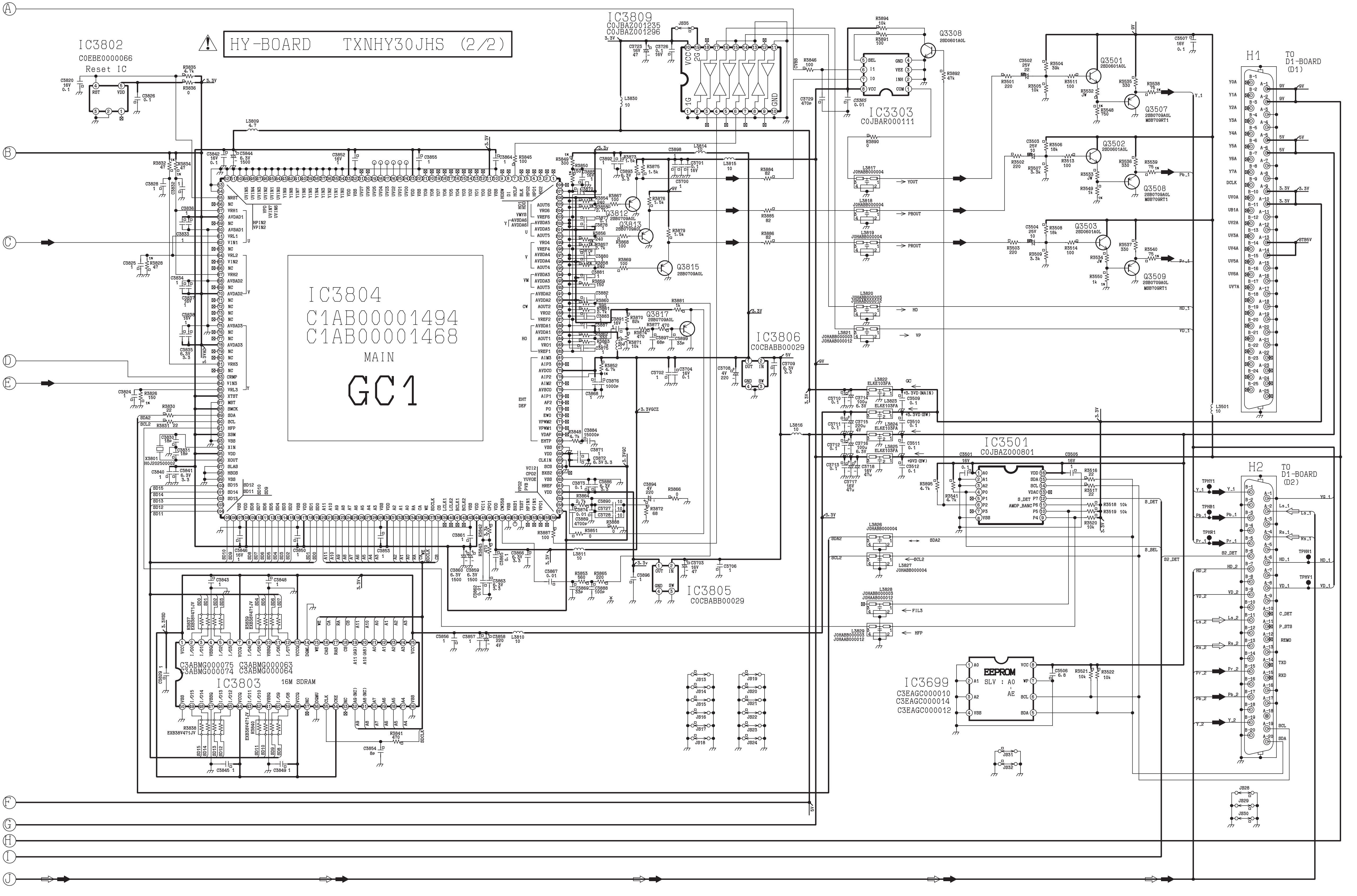
1. **Resistor**
   All resistors are cabon 1/4W resistor, unless marked as follows:
   Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).
   - ○ : Nonflammable
   - △ : Solid
   - ⧄ : Wire Wound
   - ⊠ : Metal Oxide
   - ◎ : Metal Film
   - ⊗ : Fuse**:**
2. **Capacitor**
   All capacitors are ceramic 50V capacitor, unless marked as follows:
   Unit of capacitance is μF, unless otherwise noted.
   - ⊗ : Temperature Compensation
   - Ⓜ : Polyester
   - ⓜ : Metalized Polyester
   - ⊠ : Polypropylene
   - +┤├ : Electrolytic
   - NP┤├ : Bipolar
   - Ⓣ : Dipped Tantalum
   - Ⓩ : Z-Type
3. Coil
   Unit of inductance is μF, unless otherwise noted.
4. Test Point
   - ⚲ : Test Point position
5. Earth Symbol
   - ⏚ : Chassis Earth (Cold)
   - ⏚ : Line Earth (Hot)
6. Voltage Measurement
   Voltage is measured by a DC voltmeter.
   Conditions of the measurement are the following:
   Power Source ....AC 120V, 50/60Hz
   (UY/UZ VERSION model)/
   AC220-240V, 50/60Hz
   (Except UY/UZ VERSION)
   Receiving Signal .... Colour Bar signal (RF)
   All customer's controls .... Maximum positions
7. Number in red circle indicates waveform nember.
   (See waveform pattern table.)
8. When arrow mark (↗) is found, connection is easily found from the direction of arrow
9. Indicates the major signal flow. : Video ➡ Audio ⇨
10. This schematic diagram is the latest at the time of printing and subject to change without notice.


HZ-BOARD TXNHZ40JJS (2/2)
IC3802
C0EBE0000066
Reset IC
IC3809
C0JBAZ001235
C0JBAZ001296
IC3804
C1AB00001494
C1AB00001468
MAIN
GC1
IC3303
C0JBAR000111
Q3308
Q3501
Q3502
Q3503
Q3507
Q3508
Q3509
Q3812
Q3813
Q3815
Q3817
IC3806
C0CBABB00029
IC3805
C0CBABB00029
IC3501
C0JBAZ000801
72H
IC3803
C3ABMG000075 C3ABMG000063
C3ABMG000074 C3ABMG000064
16M SDRAM
DIGITAL VDD
DIGITAL GND
IC3699
C3EAGC000010
C3EAGC000014
C3EAGC000012
EEPROM
SLV : A0
AE
H1
TO D1-BOARD (D1)
H2
TO D1-BOARD (D2)
YOUT
PBOUT
PROUT
HD
VP
SDA2
SCL2
FIL3
HFP
A
B
C
D
E
F
G
H
I
J
9
10
11
12
13
14
15
16
17


HZ-BOARD TXNHZ40JJS (1/2)
JK3301
K1CB106B0027
JK3305
K2HA306B0048
JK3306
K2HA306B0049
JK3308
K2HA204B0096
JK3307
K2HA204B0097
IC3301
C0JBAR000111
IC3302
C0ABGB000001
IC3801
C0CBABB00029
Q3301
Q3302
Q3303
Q3304
Q3305
Q3306
Q3307
Q3309
Q3351
Q3352
Q3353
Q3354
Q3355
Q3356
Q3357
Q3358
Q3359
Q3801
Q3802
Q3803
Q3804
Q3805
Q3806
Q3807
Q3808
Q3809
Q3810
CROMA
Y/V_IN
S2_DET
S_DET
S_SEL
Ls_1
Rs_1
Ls_2
Rs_2
Y_2
PB_2
PR_2
VD_2
HD_2
3.3V
5V
9V
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9

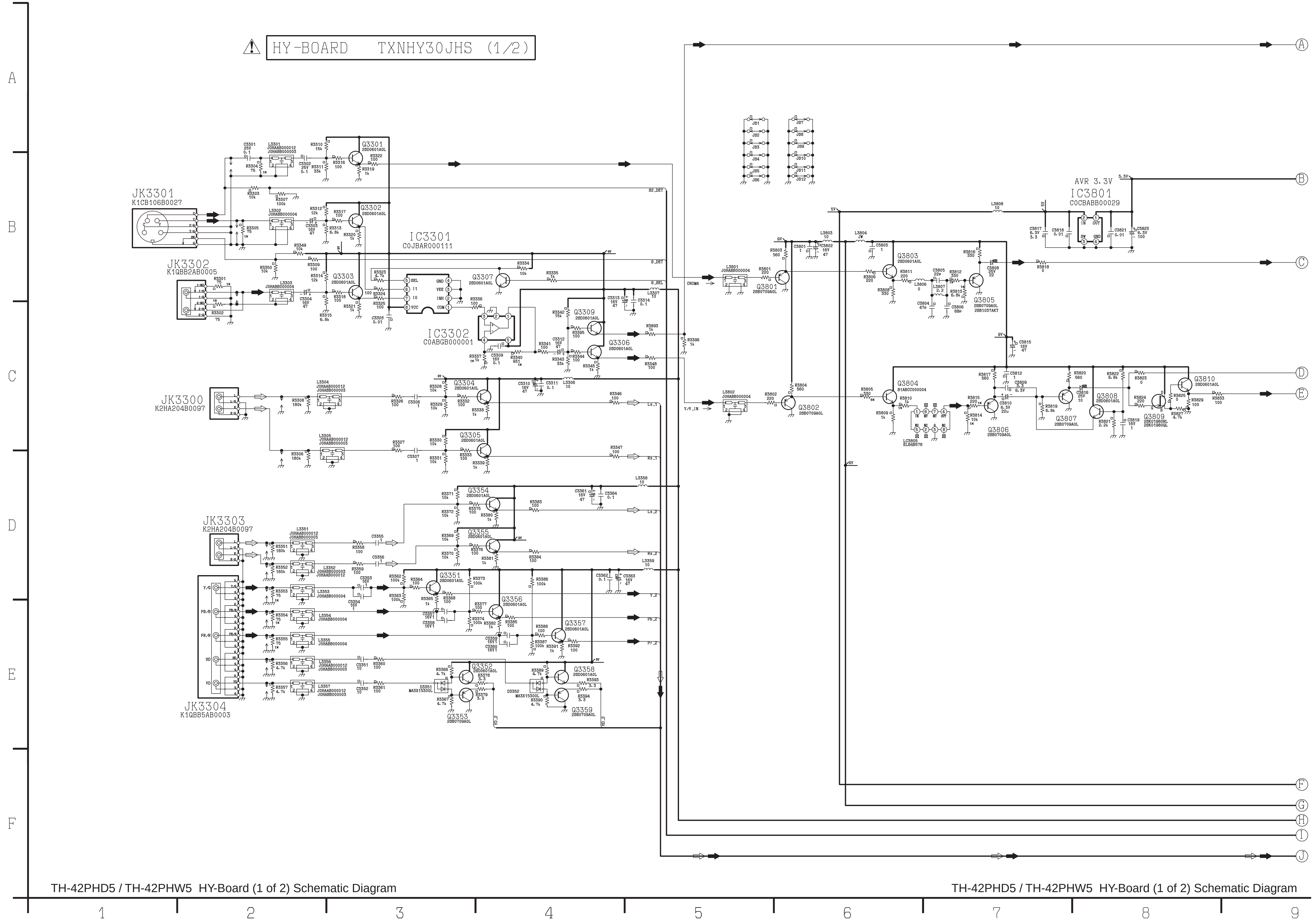
TH-42PHD5 / TH-42PHW5 HZ-Board (1 of 2) Schematic Diagram

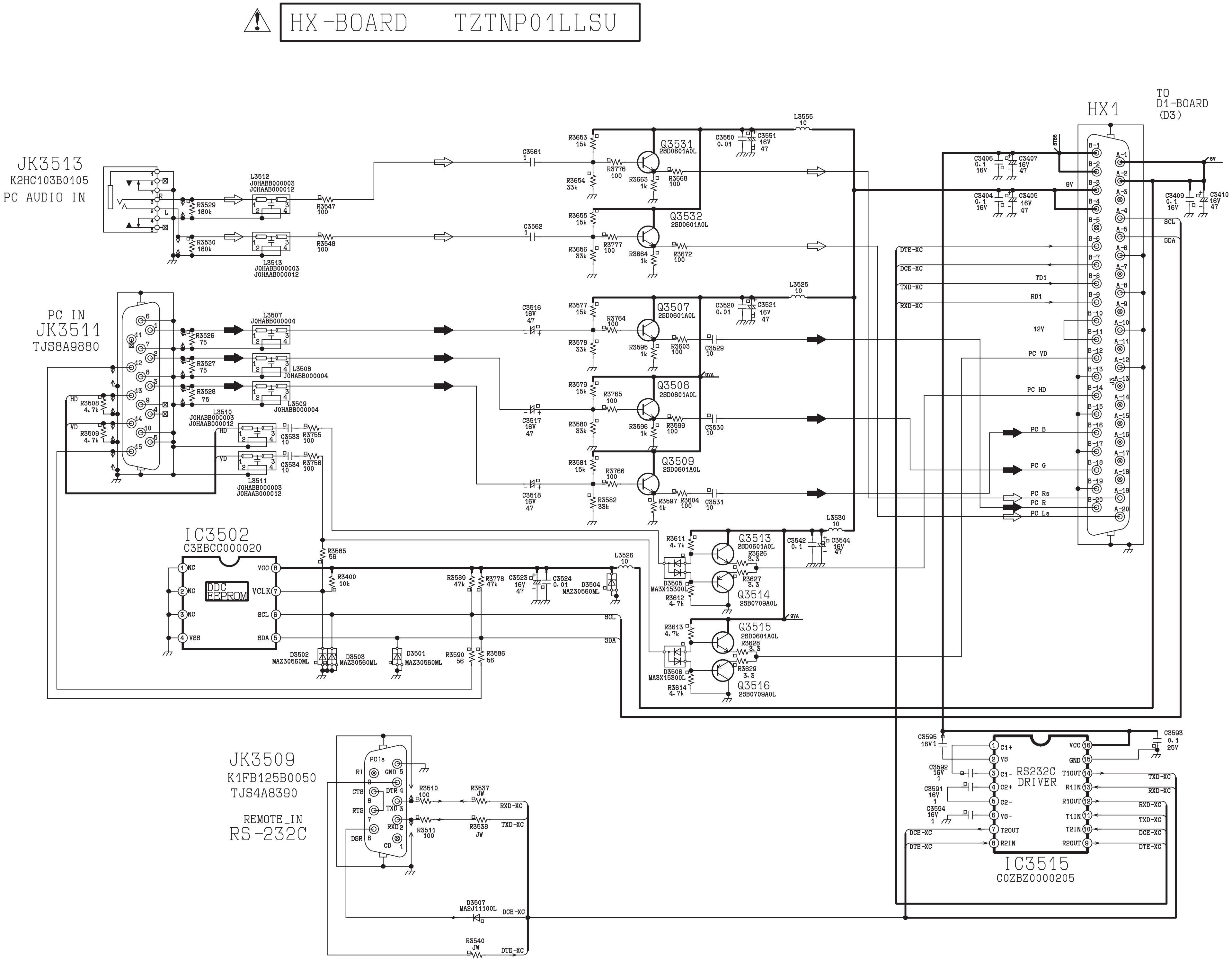
TH-42PHD5 / TH-42PHW5 HZ-Board (1 of 2) Schematic Diagram

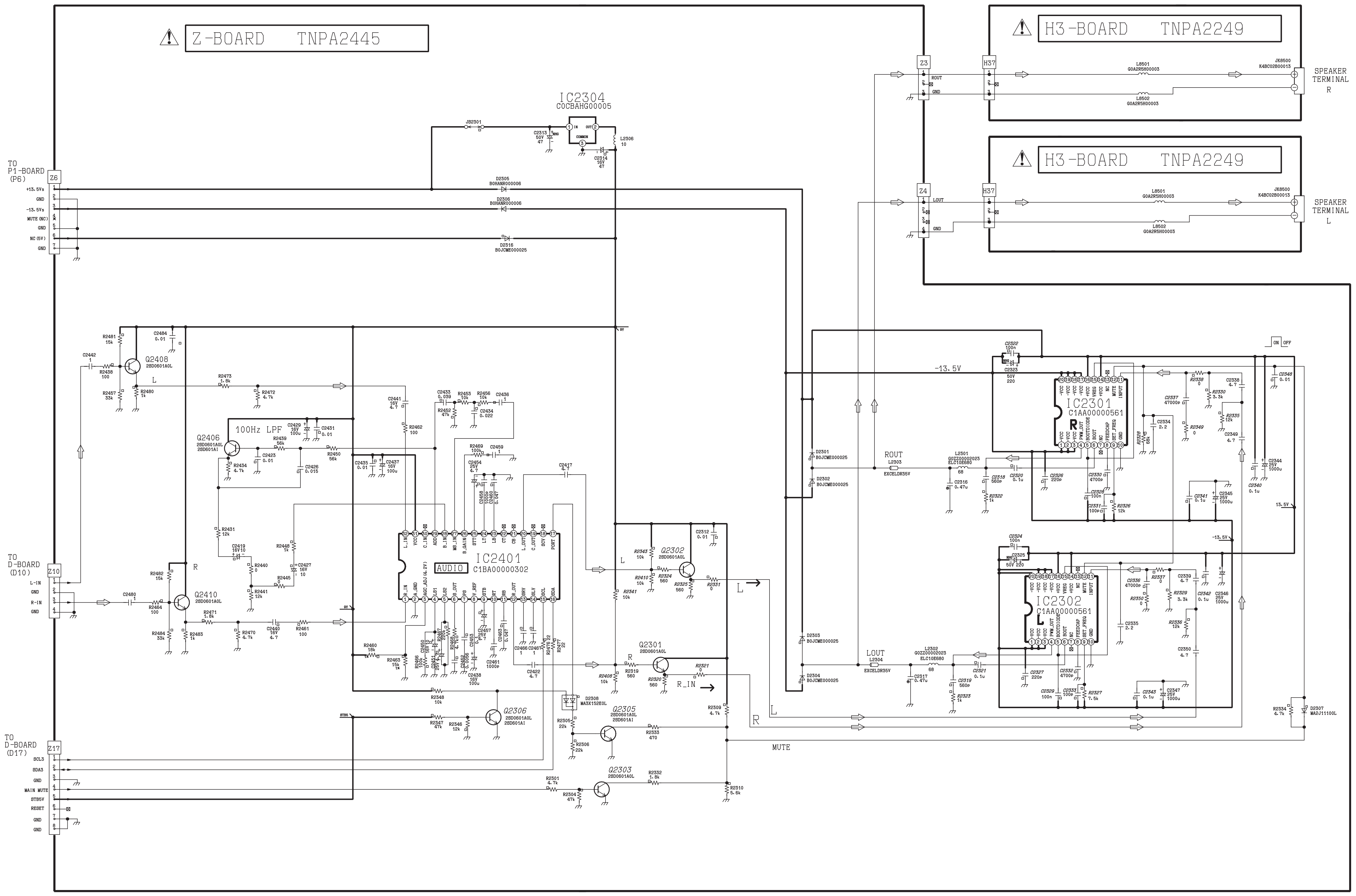

HY-BOARD TXNHY30JHS (2/2)
IC3802
C0EBE0000066
Reset IC
IC3809
C0JBAZ001235
C0JBAZ001296
IC3804
C1AB00001494
C1AB00001468
MAIN
GC1
IC3303
C0JBAR000111
Q3308
2SD0601A0L
Q3501
Q3502
Q3503
Q3507
Q3508
Q3509
Q3812
Q3813
Q3815
Q3817
IC3806
C0CBABB00029
IC3805
C0CBABB00029
IC3501
C0JBAZ000801
IC3803
C3ABMG000075
C3ABMG000074
C3ABMG000063
C3ABMG000064
16M SDRAM
IC3699
C3EAGC000010
C3EAGC000014
C3EAGC000012
EEPROM
SLV : A0
AE
H1
TO D1-BOARD (D1)
H2
TO D1-BOARD (D2)
A
B
C
D
E
F
G
H
I
J

TH-42PHD5 / TH-42PHW5 HY-Board (2 of 2) Schematic Diagram

TH-42PHD5 / TH-42PHW5 HY-Board (2 of 2) Schematic Diagram

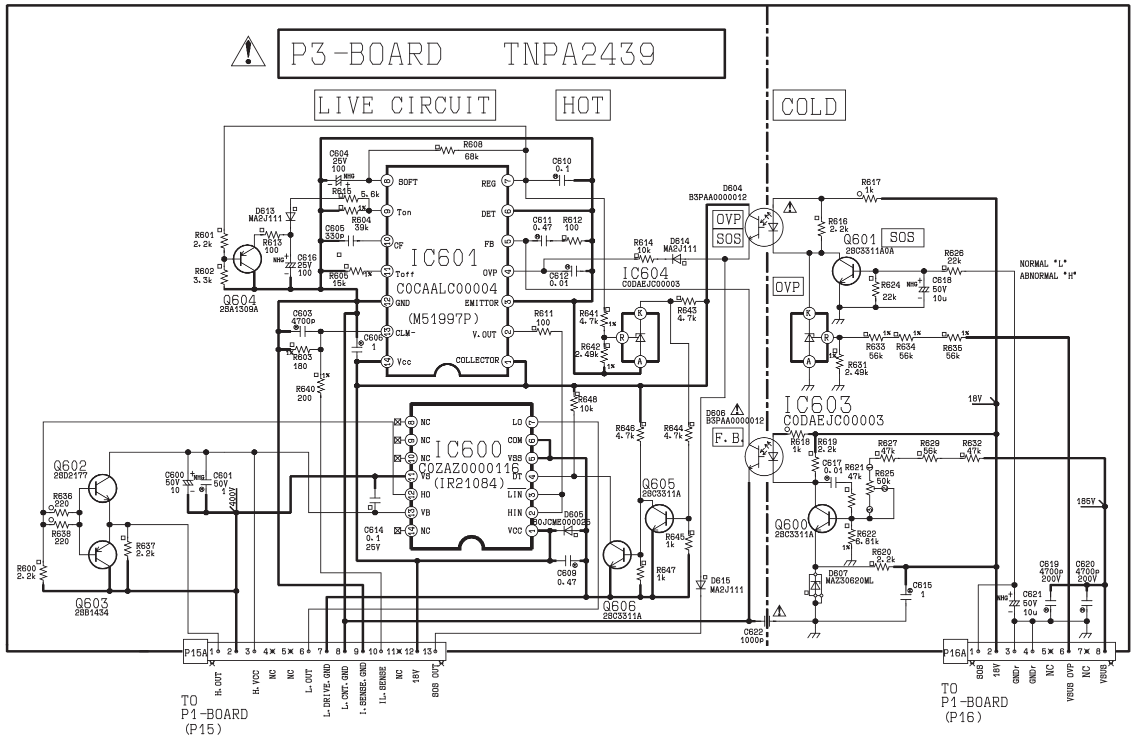

HY-BOARD TXNHY30JHS (1/2)
JK3301
K1CB106B0027
JK3302
K1QBB2AB0005
JK3300
K2HA204B0097
JK3303
K2HA204B0097
JK3304
K1QBB5AB0003
IC3301
C0JBAR000111
IC3302
C0ABGB000001
IC3801
C0CBABB00029
AVR 3.3V
Q3301
Q3302
Q3303
Q3304
Q3305
Q3306
Q3307
Q3309
Q3351
Q3352
Q3353
Q3354
Q3355
Q3356
Q3357
Q3358
Q3359
Q3801
Q3802
Q3803
Q3804
Q3805
Q3806
Q3807
Q3808
Q3809
Q3810
CROMA
Y/V_IN
S2_DET
S_DET
S_SEL
Ls_1
Rs_1
Ls_2
Rs_2
Y_2
Pb_2
Pr_2
VD_2
HD_2
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9

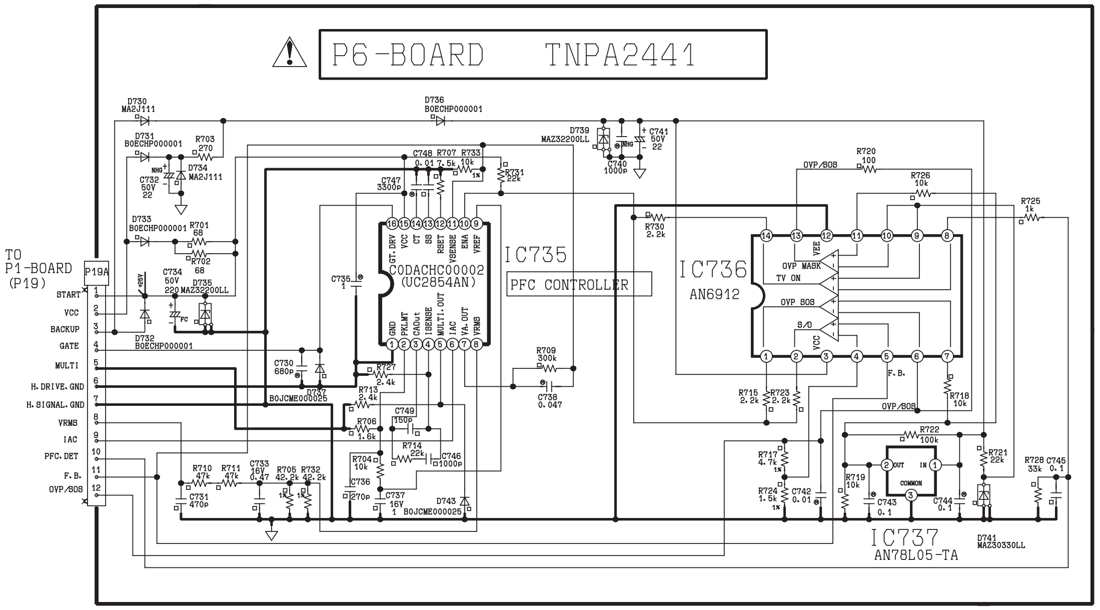

HX-BOARD TZTNP01LLSU
JK3513
K2HC103B0105
PC AUDIO IN
PC IN
JK3511
TJS8A9880
IC3502
C3EBCC000020
DDC EEPROM
NC
VSS
VCC
VCLK
SCL
SDA
JK3509
K1FB125B0050
TJS4A8390
REMOTE_IN
RS-232C
RI
CTS
RTS
DSR
GND
DTR
TXD
RXD
CD
PC1s
HX1
TO D1-BOARD (D3)
Q3531 2SD0601A0L
Q3532 2SD0601A0L
Q3507 2SD0601A0L
Q3508 2SD0601A0L
Q3509 2SD0601A0L
Q3513 2SD0601A0L
Q3514 2SB0709A0L
Q3515 2SD0601A0L
Q3516 2SB0709A0L
D3505 MA3X15300L
D3506 MA3X15300L
D3502 MAZ30560ML
D3503 MAZ30560ML
D3501 MAZ30560ML
D3504 MAZ30560ML
D3507 MA2J11100L
L3512 J0HABB000003 J0HAAB000012
L3513 J0HABB000003 J0HAAB000012
L3507 J0HABB000004
L3508 J0HABB000004
L3509 J0HABB000004
L3510 J0HABB000003 J0HAAB000012
L3511 J0HABB000003 J0HAAB000012
L3555 10
L3525 10
L3530 10
L3526 10
RS232C DRIVER
IC3515
C0ZBZ0000205
C1+
VS
C1-
C2+
C2-
VS-
T2OUT
R2IN
VCC
GND
T1OUT
R1IN
R1OUT
T1IN
T2IN
R2OUT
TXD-XC
RXD-XC
DCE-XC
DTE-XC
TD1
RD1
12V
PC VD
PC HD
PC B
PC G
PC Rs
PC R
PC Ls
SCL
SDA
HD
VD
9V
9VA
5V
STB5

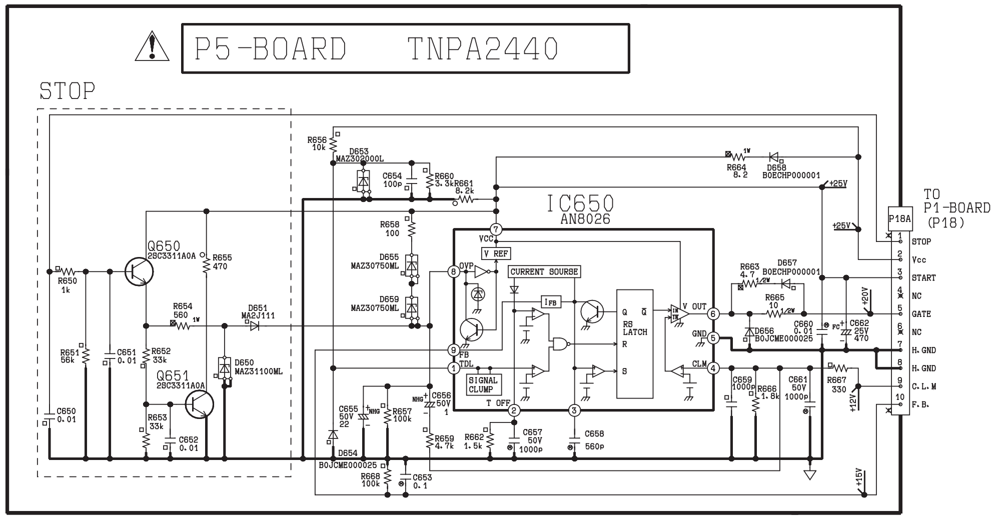

Z-BOARD TNPA2445
H3-BOARD TNPA2249
H3-BOARD TNPA2249
SPEAKER TERMINAL R
SPEAKER TERMINAL L
IC2304
C0CBAHG00005
TO P1-BOARD (P6)
Z6
TO D-BOARD (D10)
Z10
TO D-BOARD (D17)
Z17
Z3
Z4
H37
IC2401
AUDIO
C1BA00000302
100Hz LPF
Q2408
Q2406
Q2410
IC2301
C1AA00000561
IC2302
C1AA00000561
Q2302
Q2301
Q2305
Q2306
Q2303
ROUT
LOUT
R_IN
MUTE
-13.5V
13.5V
+13.5Vs
-13.5Vs
MUTE (NC)
NC (5V)
GND
L-IN
R-IN
SCL3
SDA3
MAIN MUTE
STB5V
RESET
ON
OFF

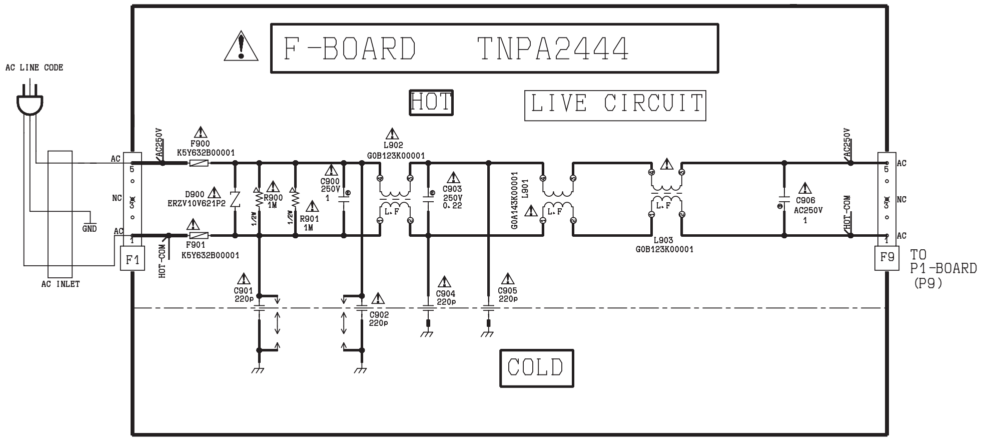
TH-42PHD5 / TH-42PHW5 Z and H3 Schematic Diagram

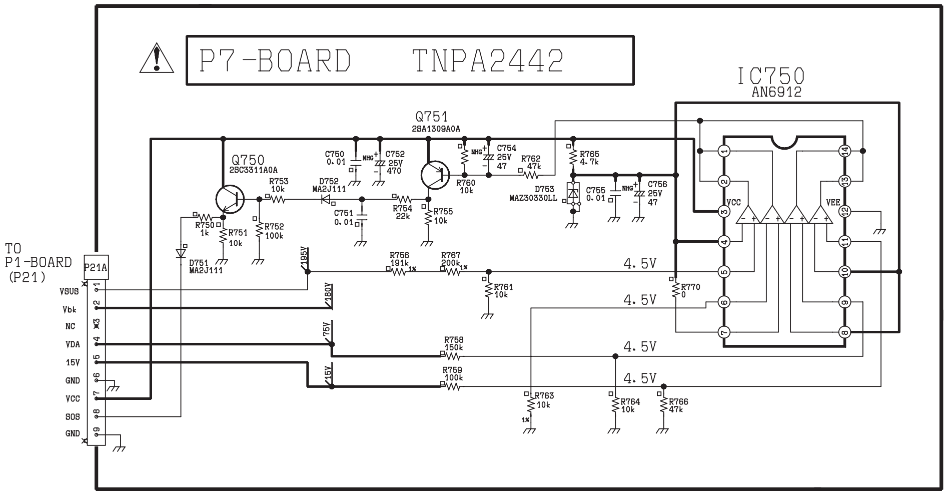
TH-42PHD5 / TH-42PHW5 Z and H3 Schematic Diagram

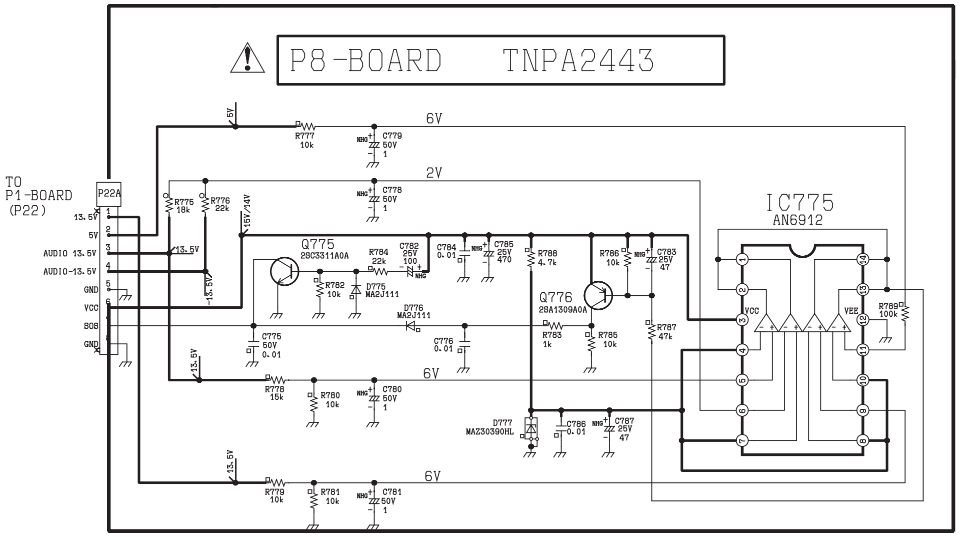

P3-BOARD TNPA2439
LIVE CIRCUIT
HOT
COLD
IC601
C0CAALC00004
(M51997P)
IC600
C0ZAZ0000116
(IR21084)
IC604
C0DAEJC00003
IC603
C0DAEJC00003
Q601 2SC3311A0A
Q602 2SD2177
Q603 2SB1434
Q604 2SA1309A
Q605 2SC3311A
Q606 2SC3311A
Q600 2SC3311A
D604 B3PAA0000012
D606 B3PAA0000012
OVP
SOS
F.B.
NORMAL "L"
ABNORMAL "H"
18V
185V
P15A
P16A
TO P1-BOARD (P15)
TO P1-BOARD (P16)
H.OUT
H.VCC
NC
L.OUT
L.DRIVE.GND
L.CNT.GND
I.SENSE.GND
I.SENSE
18V
SOS OUT
SOS
GND
NC
VSUS OVP
VSUS

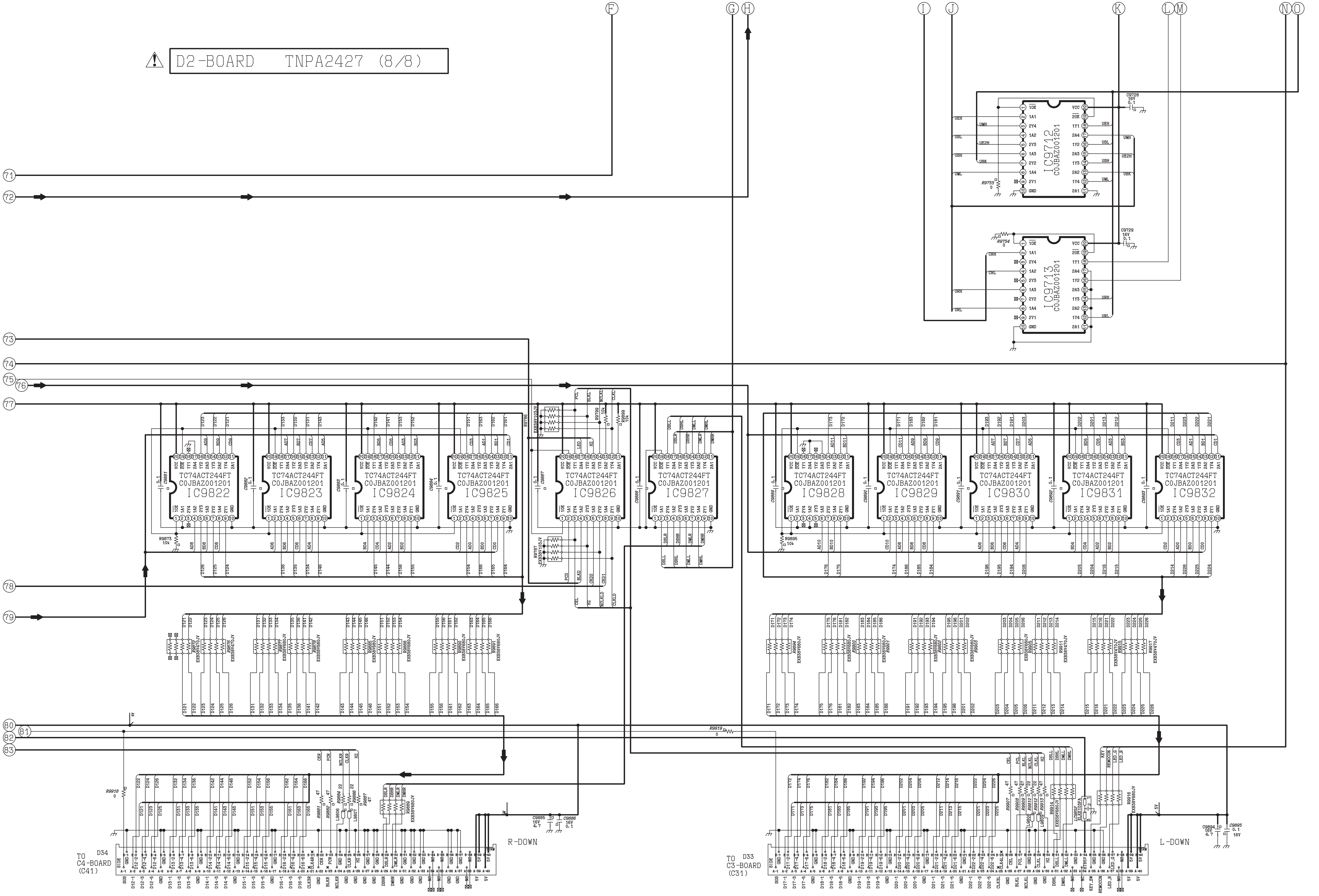

P6-BOARD TNPA2441
TO P1-BOARD (P19)
P19A
START
VCC
BACKUP
GATE
MULTI
H.DRIVE.GND
H.SIGNAL.GND
VRMS
IAC
PFC.DET
F.B.
OVP/SOS
IC735
C0DACHC00002
(UC2854AN)
PFC CONTROLLER
IC736
AN6912
IC737
AN78L05-TA
OVP/SOS
OVP MASK
TV ON
OVP SOS
S/O
COMMON


P5-BOARD TNPA2440
STOP
IC650
AN8026
Q650 2SC3311A0A
Q651 2SC3311A0A
V REF
CURRENT SOURSE
RS LATCH
SIGNAL CLUMP
T OFF
OUT
GND
CLM
+25V
+20V
+15V
+12V
P18A
TO P1-BOARD (P18)
STOP
Vcc
START
NC
GATE
NC
H.GND
H.GND
C.L.M
F.B.


F-BOARD TNPA2444
HOT
LIVE CIRCUIT
COLD
AC LINE CODE
AC INLET
F1
F9
TO P1-BOARD (P9)
F900 K5Y632B00001
F901 K5Y632B00001
D900 ERZV10V621P2
L902 G0B123K00001
L903 G0B123K00001
L901 G0A143K00001
R900 1M
R901 1M
C900 250V 1
C903 250V 0.22
C906 AC250V 1
C901 220p
C902 220p
C904 220p
C905 220p
AC250V
AC
NC
GND
HOT-COM

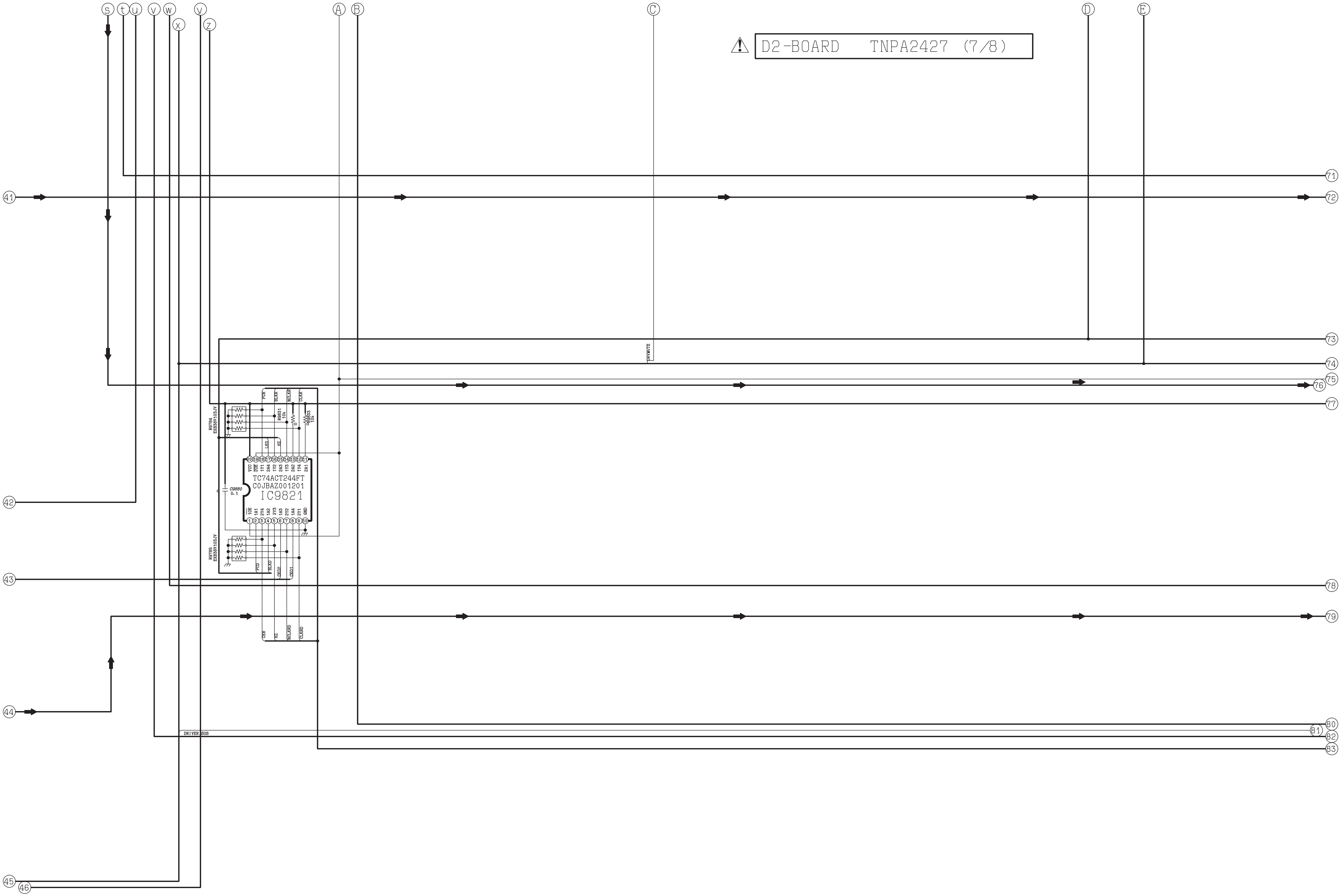

P7-BOARD TNPA2442
IC750
AN6912
Q750 2SC3311A0A
Q751 2SA1309A0A
TO P1-BOARD (P21)
P21A
VSUS
Vbk
NC
VDA
15V
GND
VCC
SOS
GND
4.5V
180V
75V
15V

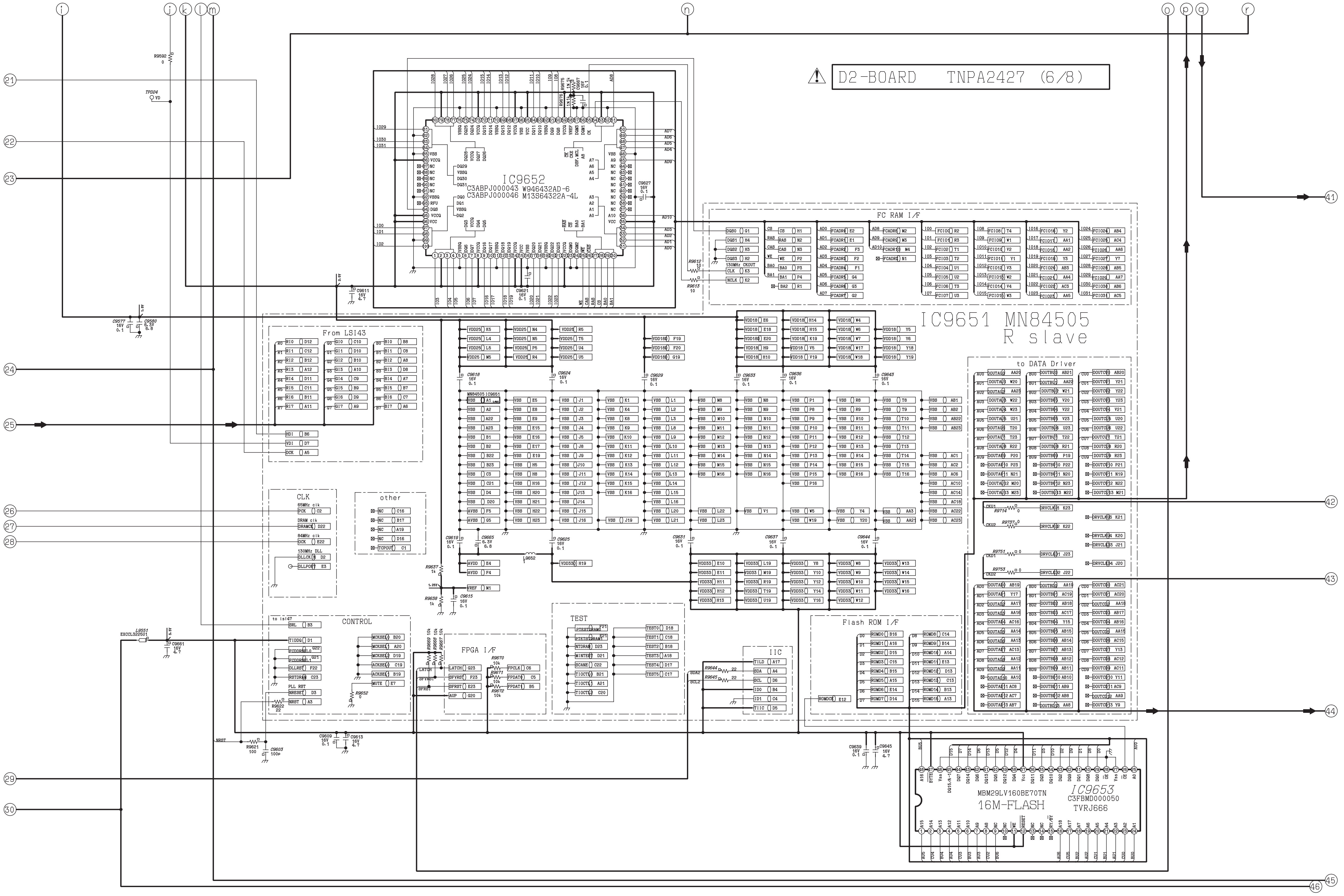

P8-BOARD TNPA2443
IC775
AN6912
Q775 2SC3311A0A
Q776 2SA1309A0A
TO P1-BOARD (P22)
P22A
13.5V
5V
AUDIO 13.5V
AUDIO-13.5V
GND
VCC
SOS
GND
6V
2V
15V/14V
15.5V


D2-BOARD TNPA2427 (8/8)
F
G
H
I
J
K
L
M
N
O
71
72
73
74
75
76
77
78
79
80
81
82
83
IC9712
C0JBAZ001201
IC9713
C0JBAZ001201
C9728
C9729
R9754
R9755
TC74ACT244FT
C0JBAZ001201
IC9822
IC9823
IC9824
IC9825
IC9826
IC9827
IC9828
IC9829
IC9830
IC9831
IC9832
R9786
R9787
R9799
R9873
R9895
R9918
R9919
C9885
C9886
C9894
C9895
R-DOWN
L-DOWN
TO C4-BOARD (C41)
D34
TO C3-BOARD (C31)
D33

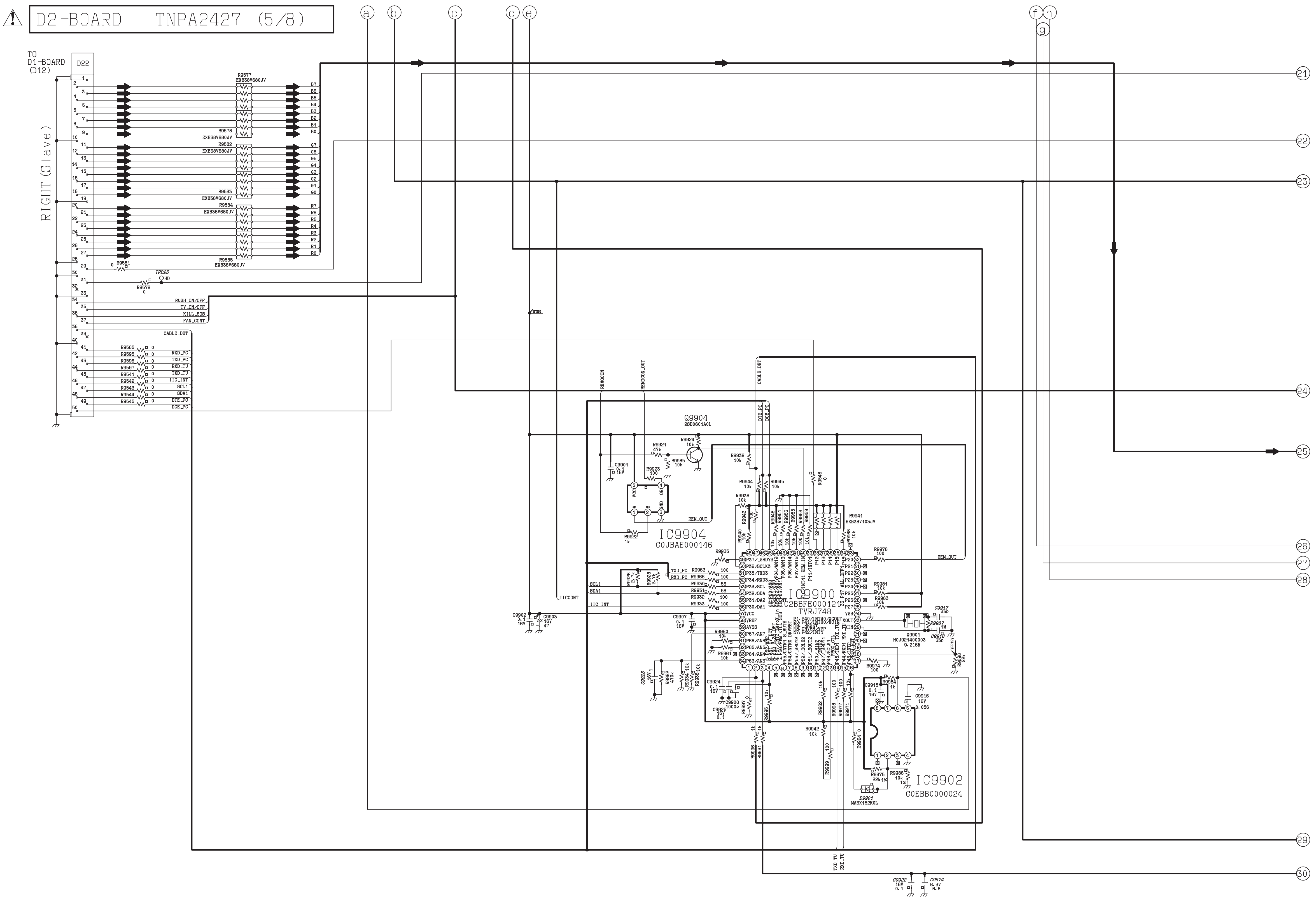
TH-42PHD5 / TH-42PHW5 D2-Board (8 of 8) Schematic Diagram

TH-42PHD5 / TH-42PHW5 D2-Board (8 of 8) Schematic Diagram


D2-BOARD TNPA2427 (7/8)
s
t
u
v
w
x
y
z
A
B
C
D
E
41
42
43
44
45
46
71
72
73
74
75
76
77
78
79
80
81
82
83
DRVMUTE
DRIVER SOS
R9784
EXB38V103JV
R9785
EXB38V103JV
R9831
10k
R9833
10k
C9880
0.1
TC74ACT244FT
C0JBAZ001201
IC9821
VCC
2OE
1Y1
2A4
1Y2
2A3
1Y3
2A2
1Y4
2A1
1OE
1A1
2Y4
1A2
2Y3
1A3
2Y2
1A4
2Y1
GND
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
PCR
BLKR
NCLKR
CLKR
LED
HZ
PCD
BLKD
CKD2
CKD1
CER
HZ
NCLKRD
CLKRD

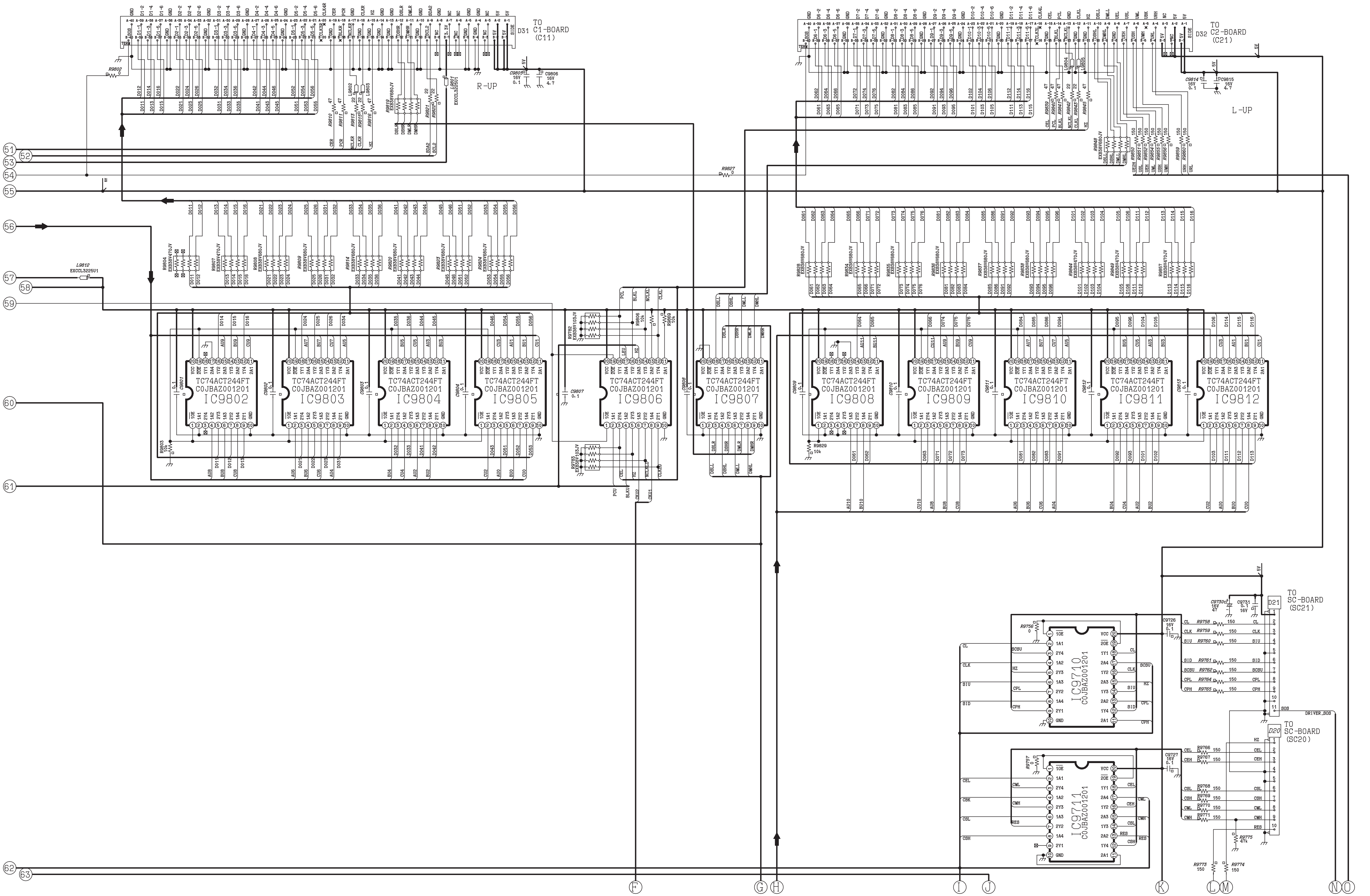

D2-BOARD TNPA2427 (6/8)
IC9652
C3ABPJ000043 W946432AD-6
C3ABPJ000046 M13S64322A-4L
IC9651 MN84505
R slave
FC RAM I/F
to DATA Driver
From LSI43
CLK
other
CONTROL
FPGA I/F
TEST
IIC
Flash ROM I/F
IC9653
MBM29LV160BE70TN
16M-FLASH
C3FBMD000050
TVRJ666
i
j
k
l
m
n
o
p
q
r
21
22
23
24
25
26
27
28
29
30
41
42
43
44
45
46

⚠ D2-BOARD TNPA2427 (5/8)



D2-BOARD TNPA2427 (5/8)
TO D1-BOARD (D12)
D22
RIGHT (Slave)
R9577 EXB38V680JV
R9578 EXB38V680JV
R9582 EXB38V680JV
R9583 EXB38V680JV
R9584 EXB38V680JV
R9585 EXB38V680JV
B7 B6 B5 B4 B3 B2 B1 B0
G7 G6 G5 G4 G3 G2 G1 G0
R7 R6 R5 R4 R3 R2 R1 R0
R9581 0
R9579 0
TP23 HD
RUSH_ON/OFF
TV_ON/OFF
KILL_SOS
FAN_CONT
CABLE_DET
R9565 R9595 R9596 R9597 R9541 R9542 R9543 R9544 R9545
RXD_PC
TXD_PC
RXD_TU
TXD_TU
IIC_INT
SCL1
SDA1
DTE_PC
DCE_PC
a b c d e f g h
21 22 23 24 25 26 27 28 29 30
REMOCON
REMOCON_OUT
Q9904 2SD0601A0L
IC9904 C0JBAE000146
REM_OUT
IICCONT
IC9900 C2BBFE000121 TVRJ748
R9941 EXB38V103JV
X9901 H0J921400003 9.216M
IC9902 C0EBB0000024
D9901 MA3X152K0L
C9922 16V 0.1
C9574 6.3V 6.8

⚠ D2-BOARD TNPA2427 (4/8)


TO C1-BOARD (C11)
D31
R-UP
TO C2-BOARD (C21)
D32
L-UP
IC9802
IC9803
IC9804
IC9805
IC9806
IC9807
IC9808
IC9809
IC9810
IC9811
IC9812
TC74ACT244FT
C0JBAZ001201
IC9710
IC9711
TO SC-BOARD (SC21)
D21
TO SC-BOARD (SC20)
D20
DRIVER_SOS
(51)
(52)
(53)
(54)
(55)
(56)
(57)
(58)
(59)
(60)
(61)
(62)
(63)
Ⓕ
Ⓖ
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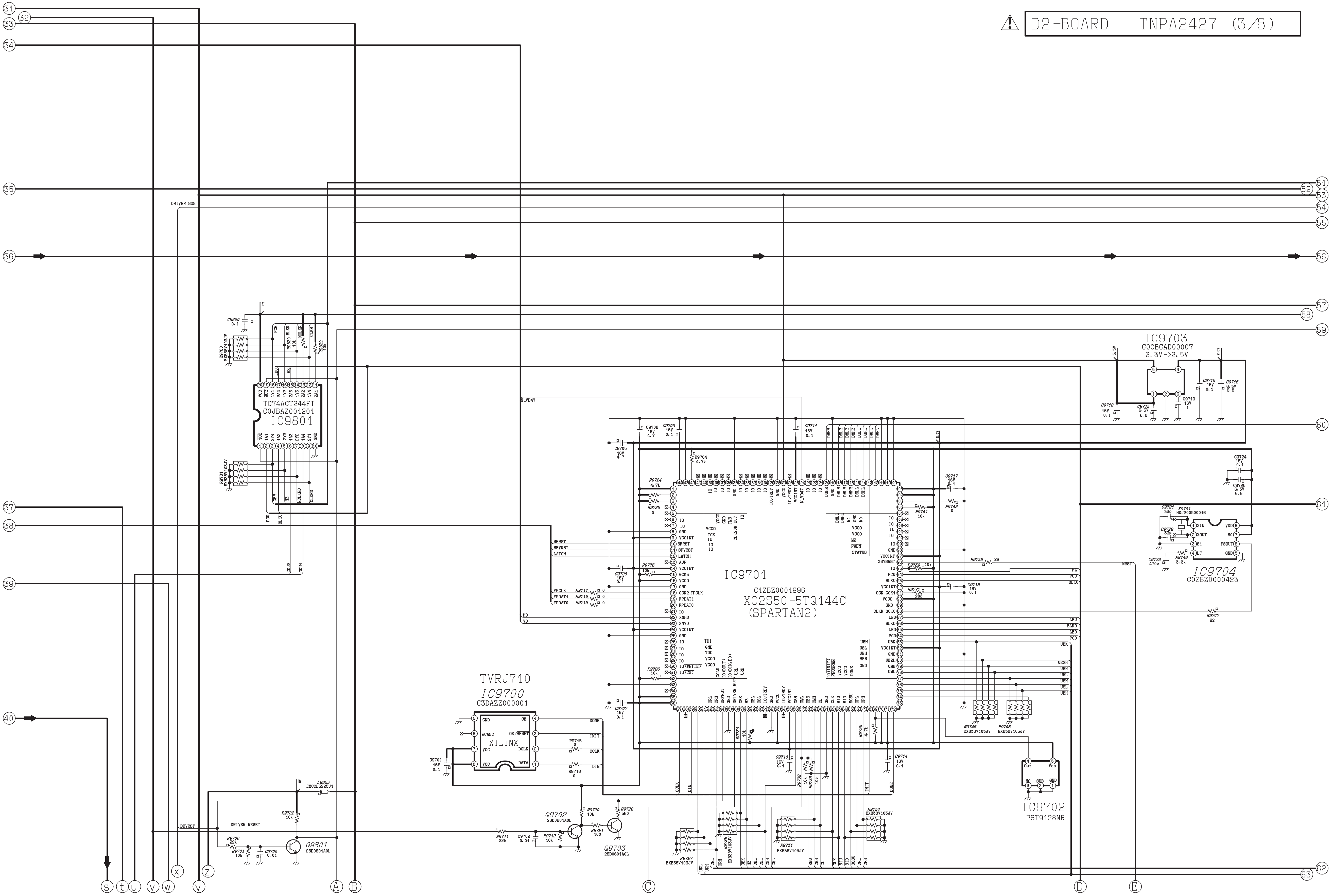
Ⓘ
Ⓙ
Ⓚ
Ⓛ
Ⓜ
Ⓝ
Ⓞ

TH-42PHD5 / TH-42PHW5 D2-Board (4 of 8) Schematic Diagram

TH-42PHD5 / TH-42PHW5 D2-Board (4 of 8) Schematic Diagram

⚠ D2-BOARD TNPA2427 (3/8)

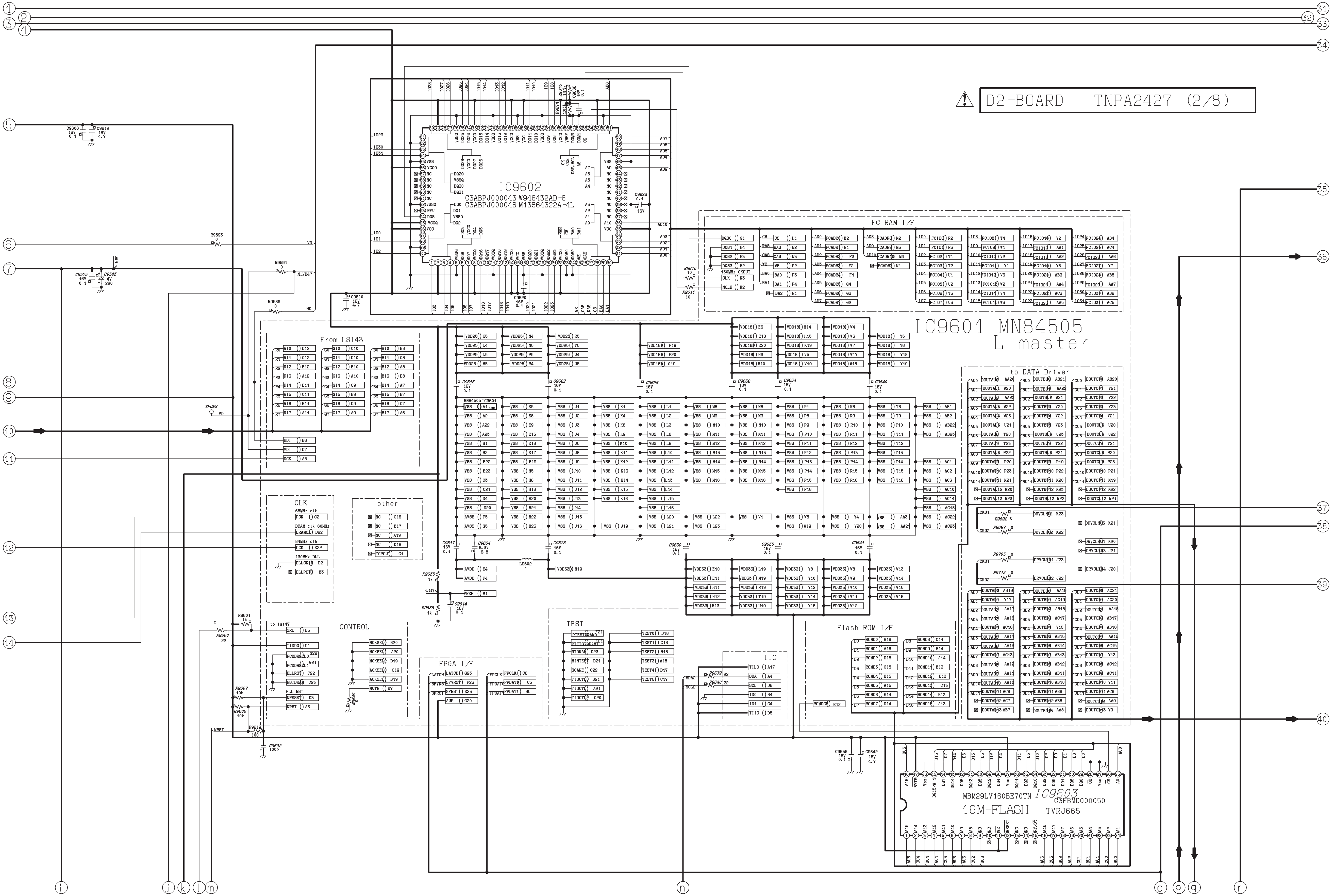


IC9703
C0CBCAD00007
3.3V->2.5V
IC9801
TC74ACT244FT
C0JBAZ001201
IC9701
C1ZBZ0001996
XC2S50-5TQ144C
(SPARTAN2)
IC9700
TVRJ710
C3DAZZ000001
XILINX
IC9704
C0ZBZ0000423
IC9702
PST9128NR
Q9801
2SD0601A0L
Q9702
2SD0601A0L
Q9703
2SD0601A0L
L9853
EXCCL3225U1
X9701
H0J200500016
DRIVER_SOS
DRIVER RESET
DRVRST
N_VD47
SFRST
SFVRST
LATCH
FPCLK
FPDAT1
FPDAT0
HD
VD
DONE
INIT
CCLK
DIN
R9745
EXB38V103JV
R9746
EXB38V103JV
R9727
EXB38V103JV
R9731
EXB38V103JV
R9734
EXB38V103JV
R9760
EXB38V103JV
R9761
EXB38V103JV
㉛
㉜
㉝
㉞
㉟
㊱
㊲
㊳
㊴
㊵
(51)
(52)
(53)
(54)
(55)
(56)
(57)
(58)
(59)
(60)
(61)
(62)
(63)
s
t
u
v
w
x
y
z
A
B
C
D
E

TH-42PHD5 / TH-42PHW5 D2-Board (3 of 8) Schematic Diagram

TH-42PHD5 / TH-42PHW5 D2-Board (3 of 8) Schematic Diagram

18 19 20 21 22 23 24 25 26


D2-BOARD TNPA2427 (2/8)
IC9602
C3ABPJ000043 W946432AD-6
C3ABPJ000046 M13S64322A-4L
IC9601 MN84505
L master
FC RAM I/F
From LSI43
to DATA Driver
CLK
other
CONTROL
to lsi47
FPGA I/F
TEST
IIC
Flash ROM I/F
IC9603
MBM29LV160BE70TN
C3FBMD000050
16M-FLASH
TVRJ665
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪
⑫
⑬
⑭
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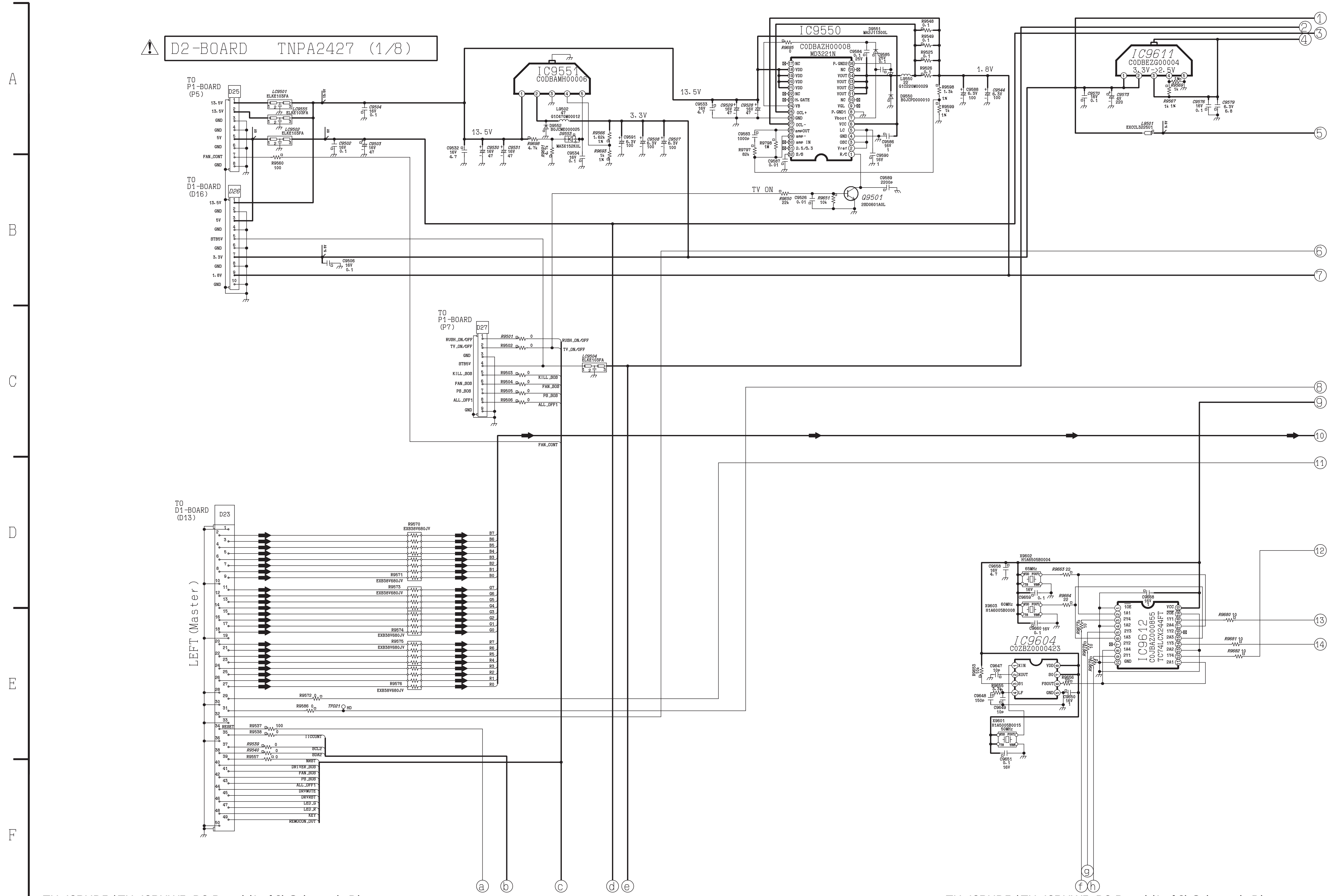
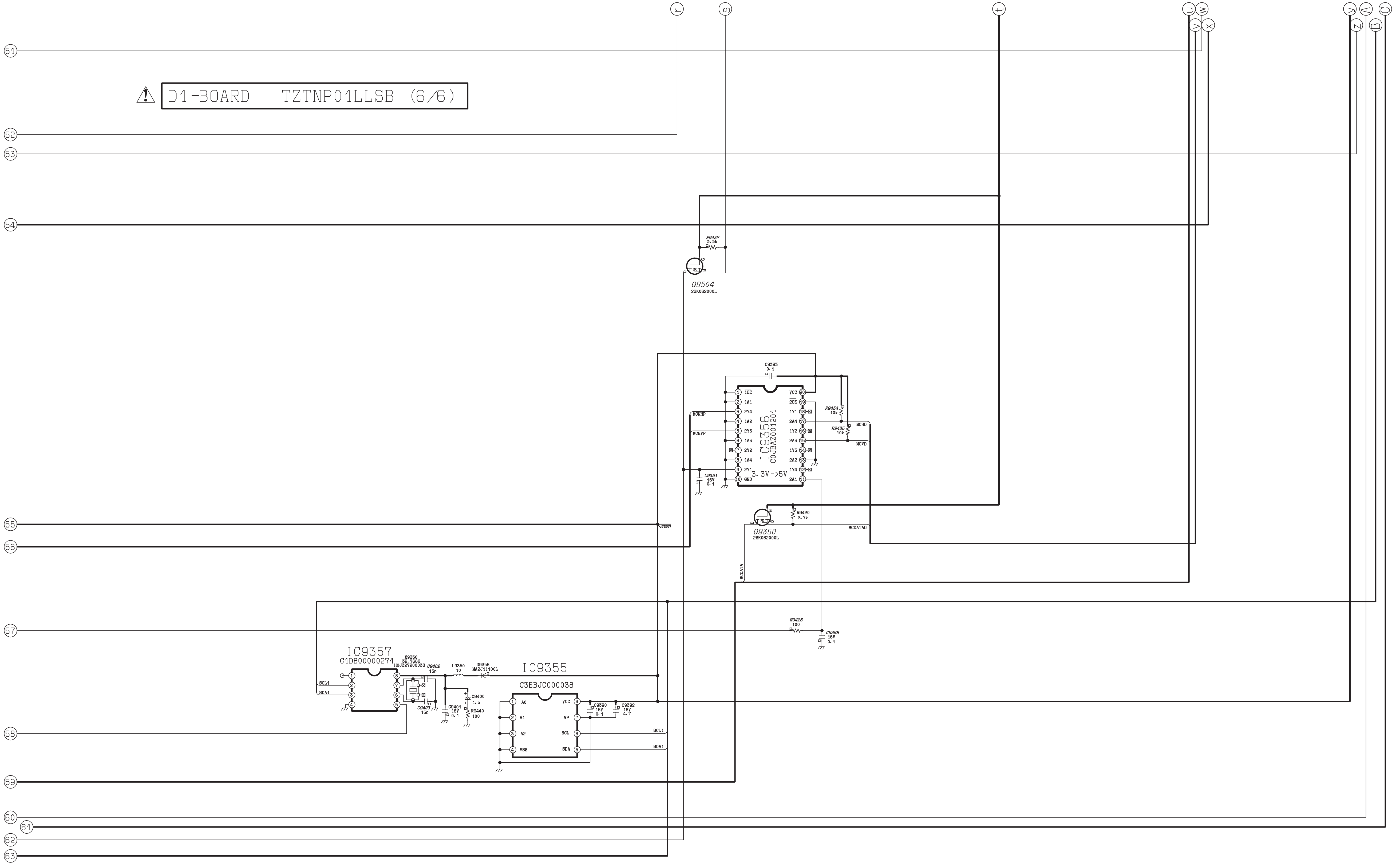
ⓘ
ⓙ
ⓚ
ⓛ
ⓜ
ⓝ
ⓞ
ⓟ
ⓠ
ⓡ

TH-42PHD5 / TH-42PHW5 D2-Board (2 of 8) Schematic Diagram

TH-42PHD5 / TH-42PHW5 D2-Board (2 of 8) Schematic Diagram

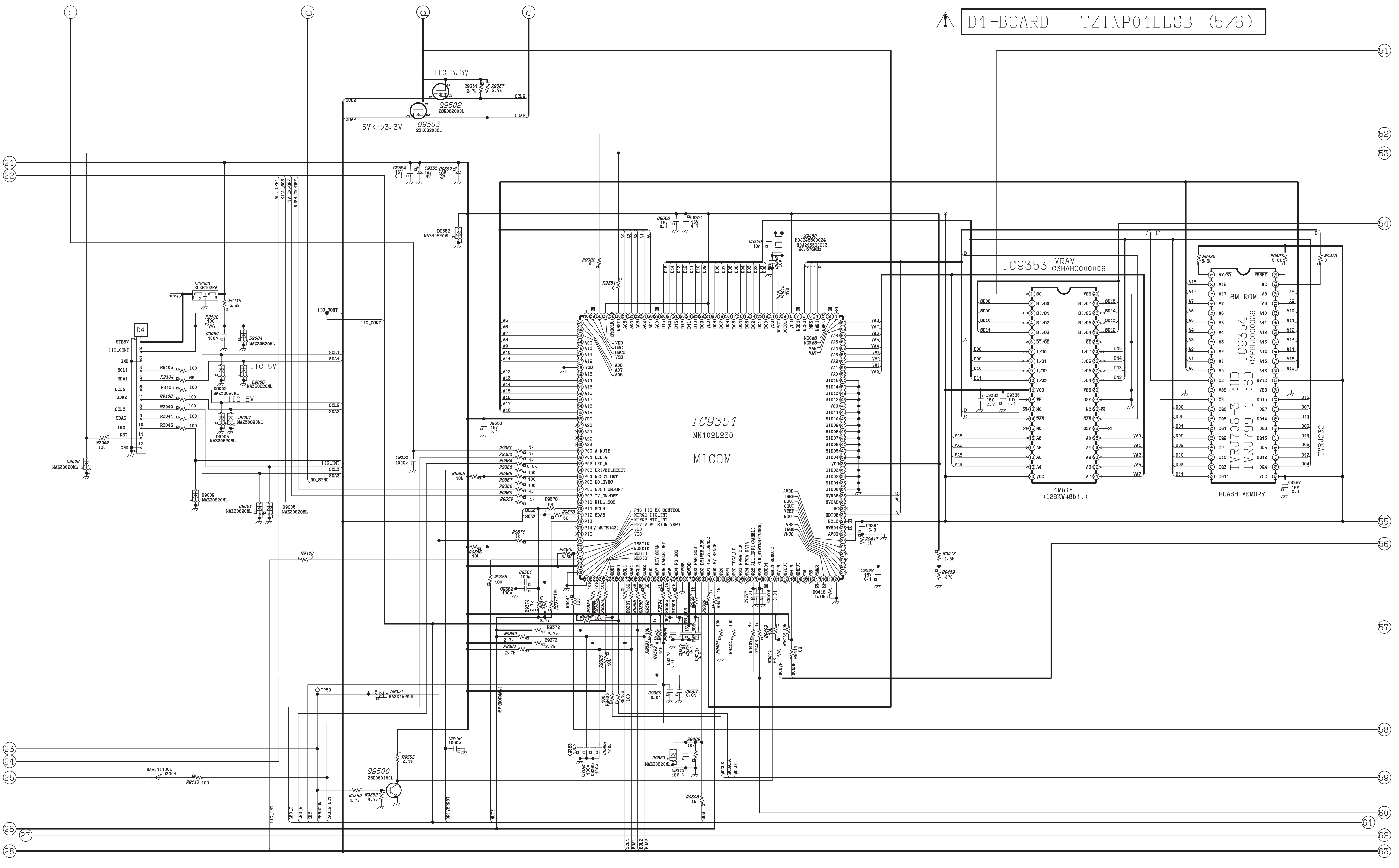

D2-BOARD TNPA2427 (1/8)
TO P1-BOARD (P5)
D25
TO D1-BOARD (D16)
D26
TO P1-BOARD (P7)
D27
TO D1-BOARD (D13)
D23
LEFT (Master)
IC9551
C0DBAMH00006
IC9550
C0DBAZH00008
MD3221N
IC9611
C0DBEZG00004
3.3V->2.5V
IC9604
C0ZBZ0000423
IC9612
C0JBAZ00855
TC74LCX244FT
Q9501
2SD0601A0L
13.5V
3.3V
1.8V
TV ON
RUSH_ON/OFF
TV_ON/OFF
KILL_BOS
FAN_BOS
PS_BOS
ALL_OFF1
FAN_CONT
STB5V
RESET
HD
X9601
X9602
X9603
R9570
R9571
R9573
R9574
R9575
R9576
EXB38V680JV
B7
B6
B5
B4
B3
B2
B1
B0
G7
G6
G5
G4
G3
G2
G1
G0
R7
R6
R5
R4
R3
R2
R1
R0
TPD21
L9501
EXCCL3225U1
a
b
c
d
e
f
g
h
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪
⑫
⑬
⑭
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

TH-42PHD5 / TH-42PHW5 D2-Board (1 of 8) Schematic Diagram


D1-BOARD TZTNP01LLSB (6/6)
r
s
t
u
w
v
x
y
A
z
B
C
(51)
(52)
(53)
(54)
(55)
(56)
(57)
(58)
(59)
(60)
(61)
(62)
(63)
R9432
3.3k
Q9504
2SK062000L
C9393
0.1
IC9356
C0JBAZ001201
3.3V->5V
1OE
1A1
2Y4
1A2
2Y3
1A3
2Y2
1A4
2Y1
GND
VCC
2OE
1Y1
2A4
1Y2
2A3
1Y3
2A2
1Y4
2A1
MCNHP
MCNVP
C9391
16V
0.1
R9434
10k
R9435
10k
MCHD
MCVD
STB5V
R9420
2.7k
Q9350
2SK062000L
MCDATA0
MCDATA
R9426
100
C9388
16V
0.1
IC9357
C1DB00000274
X9350
32.768K
H0J327200038
C9402
15p
C9403
15p
L9350
10
D9356
MA2J11100L
C9400
1.5
C9401
16V
0.1
R9440
100
SCL1
SDA1
IC9355
C3EBJC000038
A0
A1
A2
VSS
VCC
WP
SCL
SDA
C9390
16V
0.1
C9392
16V
4.7
SCL1
SDA1

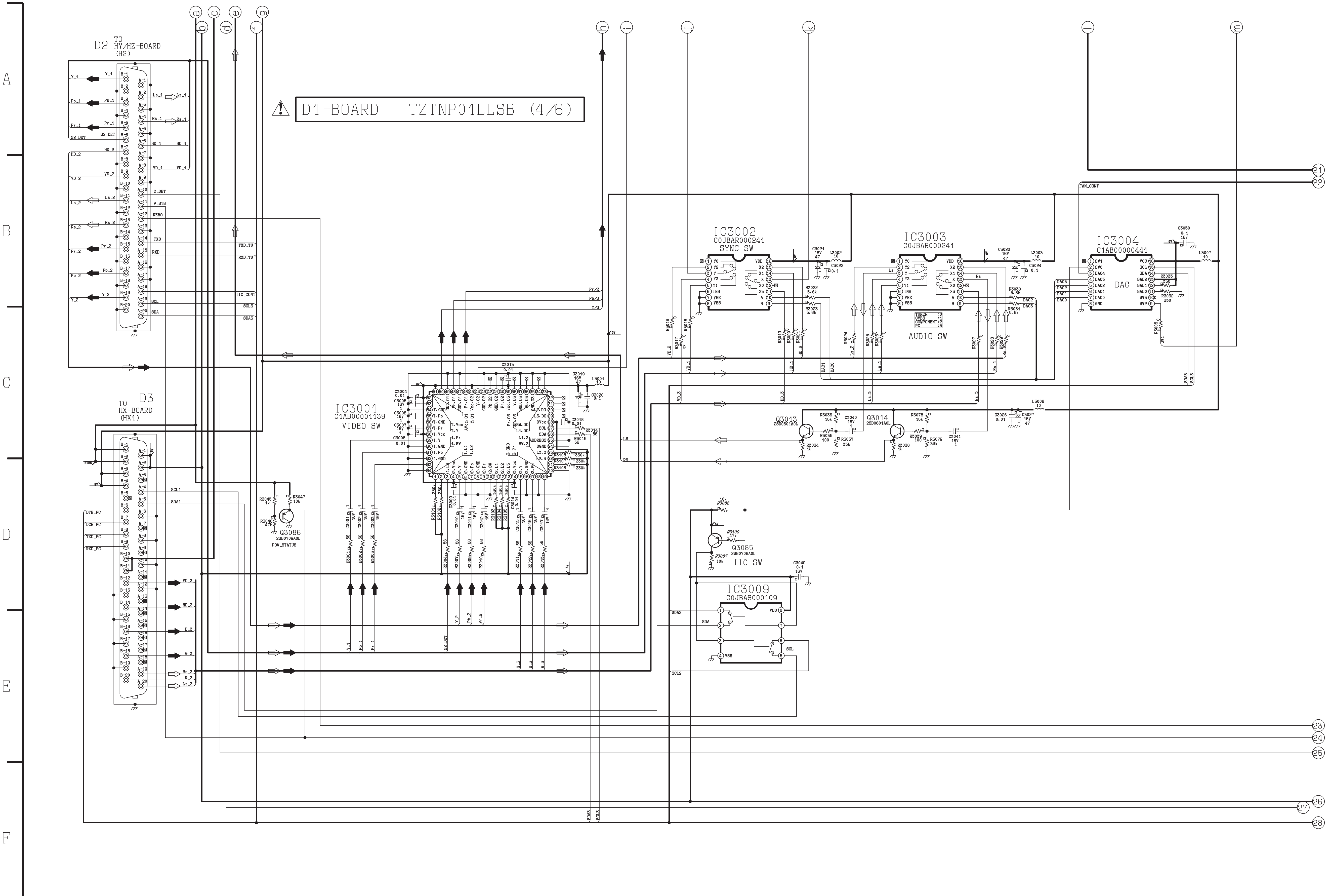
TH-42PHD5 / TH-42PHW5 D1-Board (6 of 6) Schematic Diagram

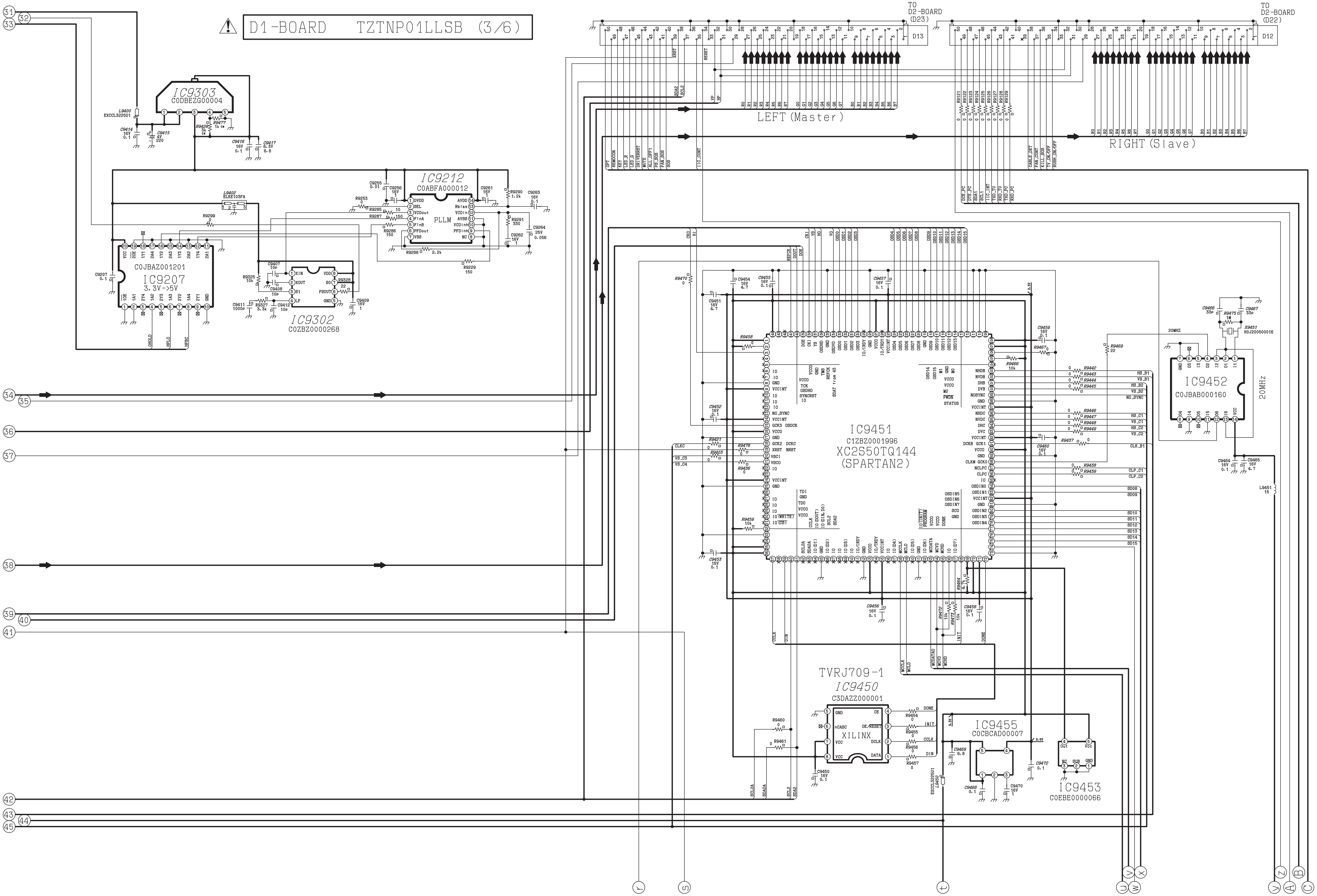
TH-42PHD5 / TH-42PHW5 D1-Board (6 of 6) Schematic Diagram


D1-BOARD TZTNP01LLSB (5/6)
IIC 3.3V
5V<->3.3V
Q9502
2SK062000L
Q9503
2SK062000L
R9354 2.7k
R9357 2.7k
SCL2
SDA2
C9354 16V 0.1
C9355 16V 47
C9357 16V 47
ALL_OFF1
KILL_SOS
TV_ON/OFF
RUSH_ON/OFF
D9352 MAZ30620ML
LC9003 ELKE103FA
STB5V
R9115 5.6k
D4
IIC_CONT
GND
SCL1
SDA1
SCL2
SDA2
SCL3
SDA3
IRQ
RST
R9102 100
C9054 100p
D9004 MAZ30620ML
IIC 5V
R9103 100
R9104 68
R9105 100
R9106 100
R3040 100
R3041 100
R3043 100
D9006 MAZ30620ML
D9002 MAZ30620ML
D9007 MAZ30620ML
D9003 MAZ30620ML
R3042 100
D9008 MAZ30620ML
D9009 MAZ30620ML
D9001 MAZ30620ML
D9005 MAZ30620ML
IIC_INT
NO_SYNC
R9110 0
IC9351
MN102L230
MICOM
C9358 16V 0.1
C9353 1000p
R9355 10k
R9362 1k
R9363 1k
R9364 1k
R9365 5.6k
R9366 100
R9367 100
R9368 100
R9369 1k
R9359 1k
R9376 56
R9378 56
R9371 1k
R9380 5.6k
R9356 10k
R9358 100
C9361 100p
C9362 100p
R9374 2.7k
R9375 2.7k
R9377 10k
R9441 100
P00 A MUTE
P01 LED_G
P02 LED_R
P03 DRIVER_RESET
P04 RESET_OUT
P05 NO_SYNC
P06 RUSH_ON/OFF
P07 TV_ON/OFF
P10 KILL_SOS
P11 SCL3
P12 SDA3
P13
P14 V MUTE(43)
P15
P16 IIC EX CONTROL
NIRQ1 IIC_INT
NIRQ2 RTC_INT
P27 V MUTE(DRIVER)
TESTIN
MUSKIK
MUSIB
MUSID
KEY SCAN
CABLE_DET
PS_SOS
FAN_SOS
DRIVER_SOS
+3.3V_SENSE
5V SENCE
FPGA_LD
FPGA_CLK
FPGA_DATA
ALL_OFF1(PANEL)
POW_STATUS(TUNER)
REMOTE
C9368 16V 0.1
C9371 16V 4.7
R9382 0
R9351 0
C9379 10p
X9450 H0J245500024 H0J245500013 24.576MHz
R9410 470
C9381 6.8
R9417 1k
R9418 1.5k
R9419 470
C9382 16V 0.1
R9416 5.6k
R9360 2.7k
R9361 2.7k
R9372 2.7k
R9373 2.7k
R9386 10k
R9401 10k
R9404 100
R9407 1k
R9408 1k
R9409 10k
R9411 56
R9412 10k
R9414 56
C9369 0.01
C9367 0.01
C9370 0.01
+5V (NORMAL)
TP59
D9351 MA3X152K0L
C9356 1000p
R9353 4.7k
Q9500
2SD0601A0L
R9350 4.7k
R9352 4.7k
MA2J11100L D3001
R9113 100
LED_G
LED_R
KEY
REMOCON
CABLE_DET
DRIVERRST
MUTE
D9353 MAZ30620ML
R9402 10k
C9373 16V 1
R9398 1k
SOS
SCL1
SDA1
SCL2
SDA2
ECLK
NCDATA
NCLD
C9363 100p
C9364 100p
C9365 100p
C9366 100p
IC9353 VRAM C3HAHC000006
1Mbit (128KW*8bit)
C9383 16V 4.7
C9385 16V 0.1
R9425 5.6k
R9427 5.6k
R9429 0
IC9354 C3FBL000039
8M ROM
TVRJ708-3 :HD
TVRJ799-1 :SD
TVRJ232
FLASH MEMORY
C9387 16V 0.1
(21) (22) (23) (24) (25) (26) (27) (28)
(51) (52) (53) (54) (55) (56) (57) (58) (59) (60) (61) (62) (63)

TH-42PHD5 / TH-42PHW5 D1-Board (5 of 6) Schematic Diagram

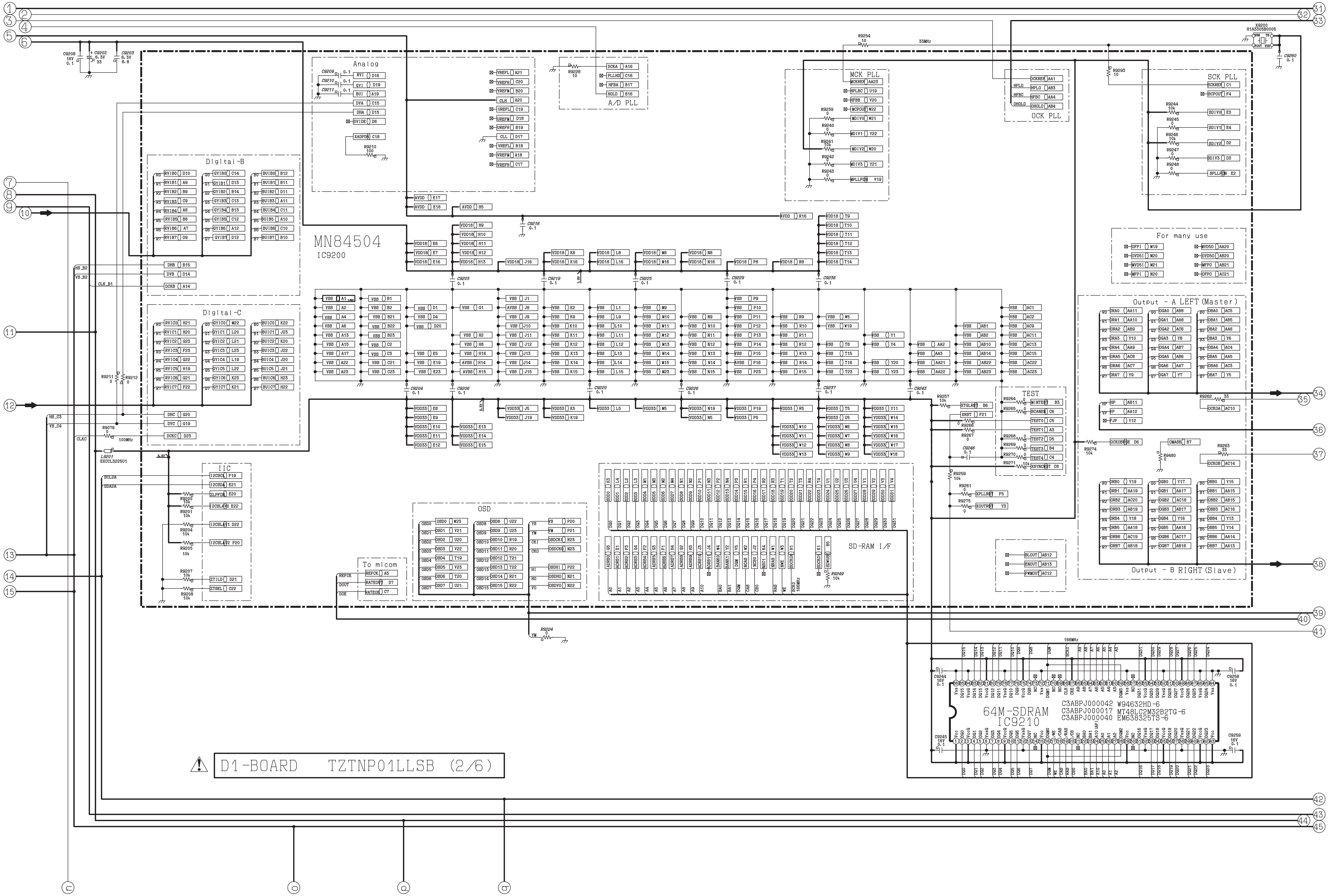
TH-42PHD5 / TH-42PHW5 D1-Board (5 of 6) Schematic Diagram


D1-BOARD TZTNP01LLSB (4/6)
D2 TO HY/HZ-BOARD (H2)
D3 TO HX-BOARD (HX1)
IC3001 C1AB00001139 VIDEO SW
IC3002 C0JBAR000241 SYNC SW
IC3003 C0JBAR000241 AUDIO SW
IC3004 C1AB00000441 DAC
IC3009 C0JBAS000109 IIC SW
Q3013 2SD0601A0L
Q3014 2SD0601A0L
Q3085 2SB0709A0L
Q3086 2SB0709A0L POW_STATUS
TUNER
CVBS
COMPONENT
PC
PAN_CONT
Y_1
Pb_1
Pr_1
S2_DET
HD_2
VD_2
Ls_2
Rs_2
Pr_2
Pb_2
Y_2
Ls_1
Rs_1
HD_1
VD_1
C_DET
P_STB
REMO
TXD
RXD
TXD_TU
RXD_TU
IIC_CONT
SCL
SDA
SCL3
SDA3
Pr/R
Pb/B
Y/G
DTE_PC
DCE_PC
TXD_PC
RXD_PC
SCL1
SDA1
VD_3
HD_3
B_3
G_3
Rs_3
R_3
Ls_3
SDA2
SCL2
DAC0
DAC1
DAC2
DAC3
a
b
c
d
e
f
g
h
i
j
k
l
m
21
22
23
24
25
26
27
28
A
B
C
D
E
F


⚠ D1-BOARD TZTNP01LLSB (3/6)
IC9303
C0DBEZG00004
IC9212
C0ABFA000012
PLLM
IC9207
C0JBAZ001201
3.3V->5V
IC9302
C0ZBZ0000268
TO D2-BOARD (D23)
D13
TO D2-BOARD (D22)
D12
LEFT (Master)
RIGHT (Slave)
IC9451
C1ZBZ0001996
XC2S50TQ144
(SPARTAN2)
IC9452
C0JBAB000160
20MHz
X9451
H0J200500016
TVRJ709-1
IC9450
C3DAZZ000001
XILINX
IC9455
C0CBCAD00007
IC9453
C0EBE0000066
L9400
EXCCL3225U1
L9402
ELKE103FA
L9451
L9450
EXCCL3225U1
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
r
s
t
U
V
W
X
Y
Z
A
B
C

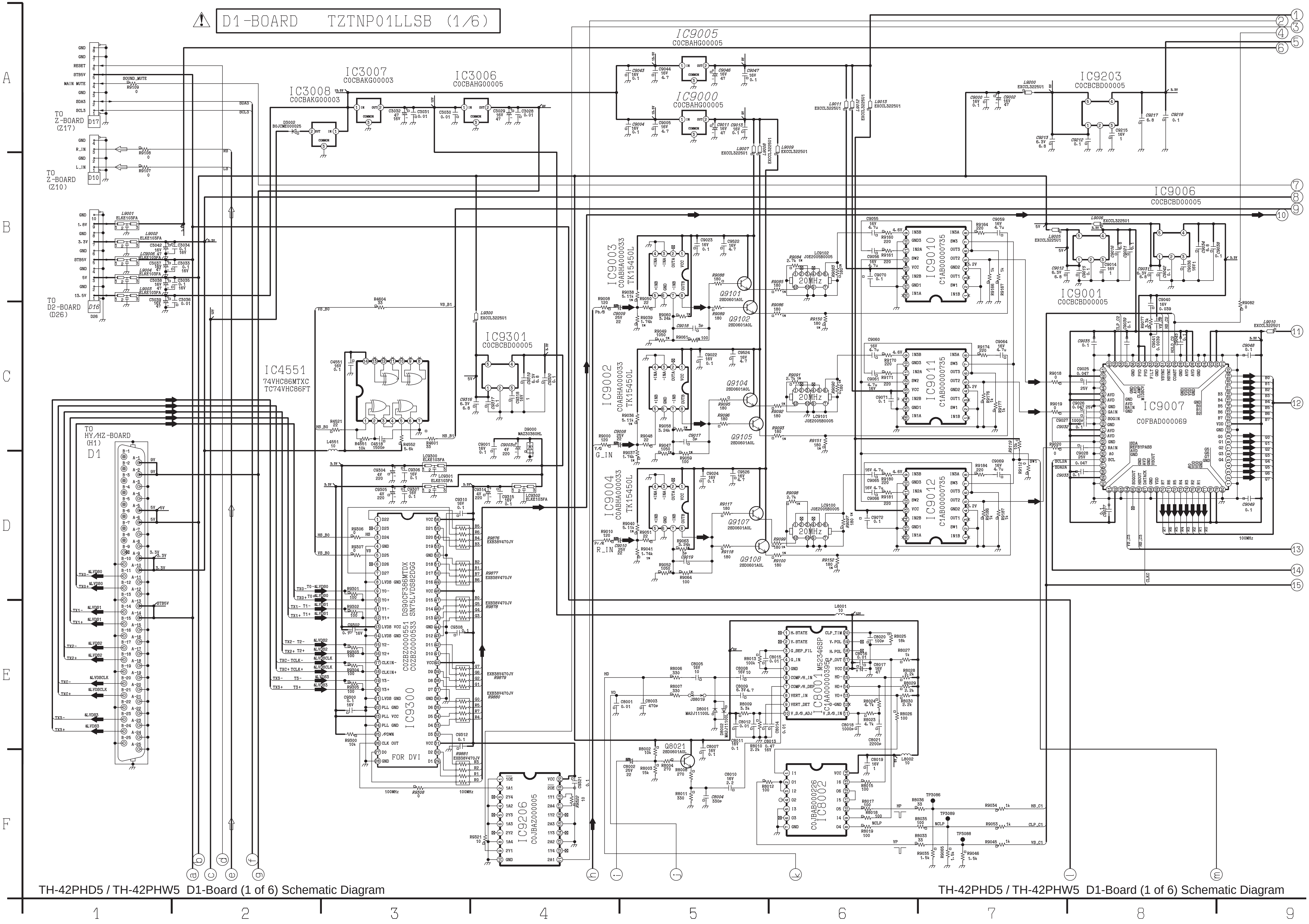
TH-42PHD5 / TH-42PHW5 D1-Board (3 of 6) Schematic Diagram

TH-42PHD5 / TH-42PHW5 D1-Board (3 of 6) Schematic Diagram


MN84504
IC9200
Analog
Digital-B
Digital-C
A/D PLL
MCK PLL
OCK PLL
SCK PLL
For many use
Output - A LEFT (Master)
Output - B RIGHT (Slave)
TEST
IIC
OSD
To micom
SD-RAM I/F
64M-SDRAM
IC9210
C3ABPJ000042 W94632HD-6
C3ABPJ000017 MT48LC2M32B2TG-6
C3ABPJ000040 EM638325TS-6
X9200
H1A3305B0005
33MHz
166MHz
100MHz
L9201
EXCCL3225U1
D1-BOARD TZTNP01LLSB (2/6)

TH-42PHD5 / TH-42PHW5 D1-Board (2 of 6) Schematic Diagram

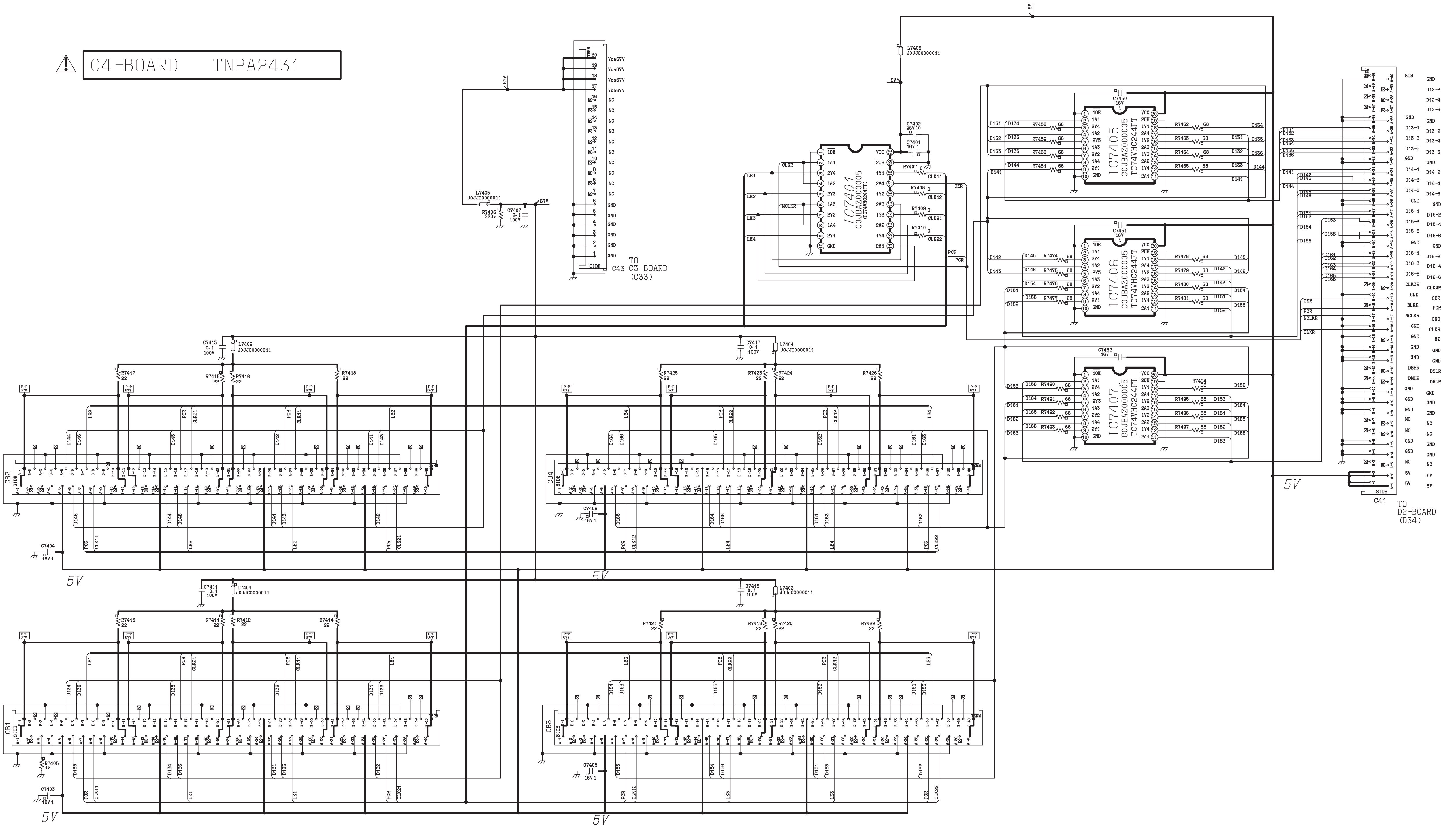
TH-42PHD5 / TH-42PHW5 D1-Board (2 of 6) Schematic Diagram

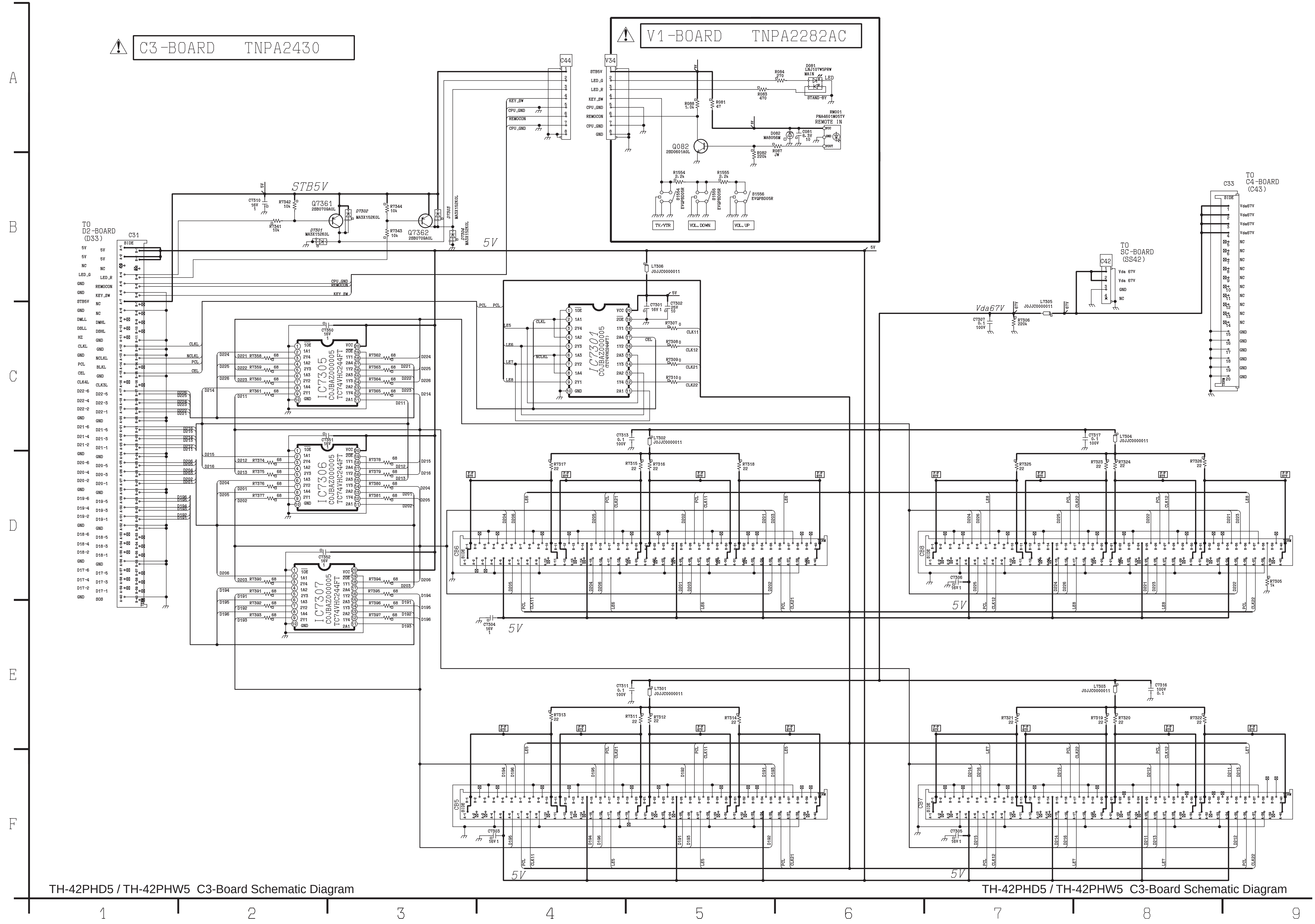

D1-BOARD TZTNP01LLSB (1/6)
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9
TO Z-BOARD (Z17)
D17
TO Z-BOARD (Z10)
D10
TO D2-BOARD (D26)
D16
TO HY/HZ-BOARD (H1)
D1
GND
RESET
STB5V
MAIN MUTE
SDA3
SCL3
SOUND_MUTE
R_IN
L_IN
1.8V
3.3V
5V
13.5V
L9001 ELKE103FA
L9002 ELKE103FA
L9003 ELKE103FA
L9004 ELKE103FA
L9006 ELKE103FA
IC3008 C0CBAKG00003
IC3007 C0CBAKG00003
IC3006 C0CBAHG00005
D3002 B0JCME000025
IC9005 C0CBAHG00005
IC9000 C0CBAHG00005
IC9203 C0CBCBD00005
IC9006 C0CBCBD00005
IC9001 C0CBCBD00005
IC9301 C0CBCBD00005
IC4551 74VHC86MTXC TC74VHC86FT
IC9003 C0ABHA000033 TK15450L
IC9002 C0ABHA000033 TK15450L
IC9004 C0ABHA000033 TK15450L
IC9010 C1AB00000735
IC9011 C1AB00000735
IC9012 C1AB00000735
IC9007 C0FBAD000069
IC9300 C0ZBZ0000551 DS90CF386MTDX C0ZBZ0000533 SN75LVDS82DGG
FOR DVI
IC9206 C0JBAZ000005
IC8001 C1AA00000395 M52346SP
IC8002 C0JBAB000226
Q9101 2SD0601A0L
Q9102 2SD0601A0L
Q9104 2SD0601A0L
Q9105 2SD0601A0L
Q9107 2SD0601A0L
Q9108 2SD0601A0L
Q8021 2SD0601A0L
D9000 MAZ30360HL
D8001 MA2J11100L
LC9102 J0E2005B0005
LC9101 J0E2005B0005
LC9100 J0E2005B0005
20MHz
100MHz
Pb/B
Y/G
G_IN
Pr/R
R_IN
HS_B0
VS_B0
HS_B1
VS_B1
HD
VD
HS_C1
CLP_C1
VS_C1
HP
NCLP
VP
TP3086
TP3089
TP3088
TX0-
TX0+
TX1-
TX1+
TX2-
TX2+
TXC-
TXC+
TX3-
TX3+
STB5V
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪
⑫
⑬
⑭
⑮
a
b
c
d
e
f
g
h
i
j
k
l
m

TH-42PHD5 / TH-42PHW5 D1-Board (1 of 6) Schematic Diagram

TH-42PHD5 / TH-42PHW5 D1-Board (1 of 6) Schematic Diagram

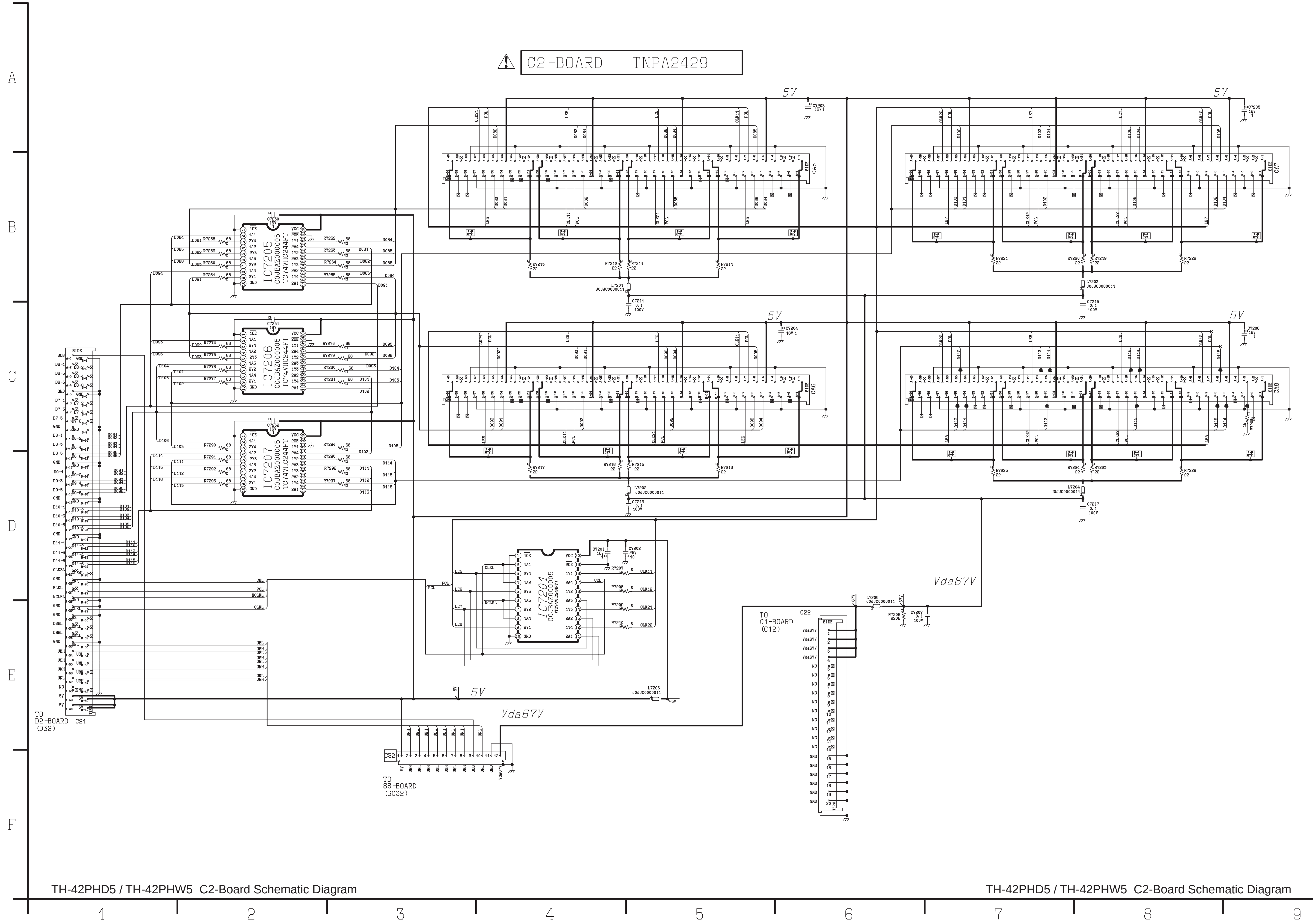
⚠ C4-BOARD TNPA2431


IC7401
C0JBAZ000005
(TC74VHC244FT)
IC7405
C0JBAZ000005
TC74VHC244FT
IC7406
C0JBAZ000005
TC74VHC244FT
IC7407
C0JBAZ000005
TC74VHC244FT
C43
TO
C3-BOARD
(C33)
C41
TO
D2-BOARD
(D34)
CB1
CB2
CB3
CB4
5V
6TV
L7401 J0JJC0000011
L7402 J0JJC0000011
L7403 J0JJC0000011
L7404 J0JJC0000011
L7405 J0JJC0000011
L7406 J0JJC0000011
R7406 220k
C7407 0.1 100V
C7413 0.1 100V
C7417 0.1 100V
C7411 0.1 100V
C7415 0.1 100V
C7402 25V 10
C7401 16V 1
C7450 16V 1
C7451 16V 1
C7452 16V 1
C7403 16V 1
C7404 16V 1
C7405 16V 1
C7406 16V 1
R7405 1k
Vda6TV
NC
GND
CLKR
NCLKR
CER
PCR
LE1
LE2
LE3
LE4
CLK11
CLK12
CLK21
CLK22
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9


C3-BOARD TNPA2430
V1-BOARD TNPA2282AC
C44
V34
STB5V
LED_G
LED_R
KEY_SW
CPU_GND
REMOCON
GND
D081 LNJ107W5PRW MAIN
LED
STAND-BY
RM001 PNA4601M05TV REMOTE IN
Q082 2SD0601A0L
D082 MA8056M
TV/VTR
VOL.DOWN
VOL.UP
TO D2-BOARD (D33)
C31
Q7361 2SB0709A0L
Q7362 2SB0709A0L
D7301 MA3X152K0L
D7302 MA3X152K0L
D7303 MA3X152K0L
D7304 MA3X152K0L
5V
IC7304 C0JBAZ000005 (TC74VHC244FT)
IC7305 C0JBAZ000005 TC74VHC244FT
IC7306 C0JBAZ000005 TC74VHC244FT
IC7307 C0JBAZ000005 TC74VHC244FT
L7306 J0JJC0000011
L7305 J0JJC0000011
Vda67V
TO SC-BOARD (SS42)
C42
TO C4-BOARD (C43)
C33
CB5
CB6
CB7
CB8
L7301 J0JJC0000011
L7302 J0JJC0000011
L7303 J0JJC0000011
L7304 J0JJC0000011
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

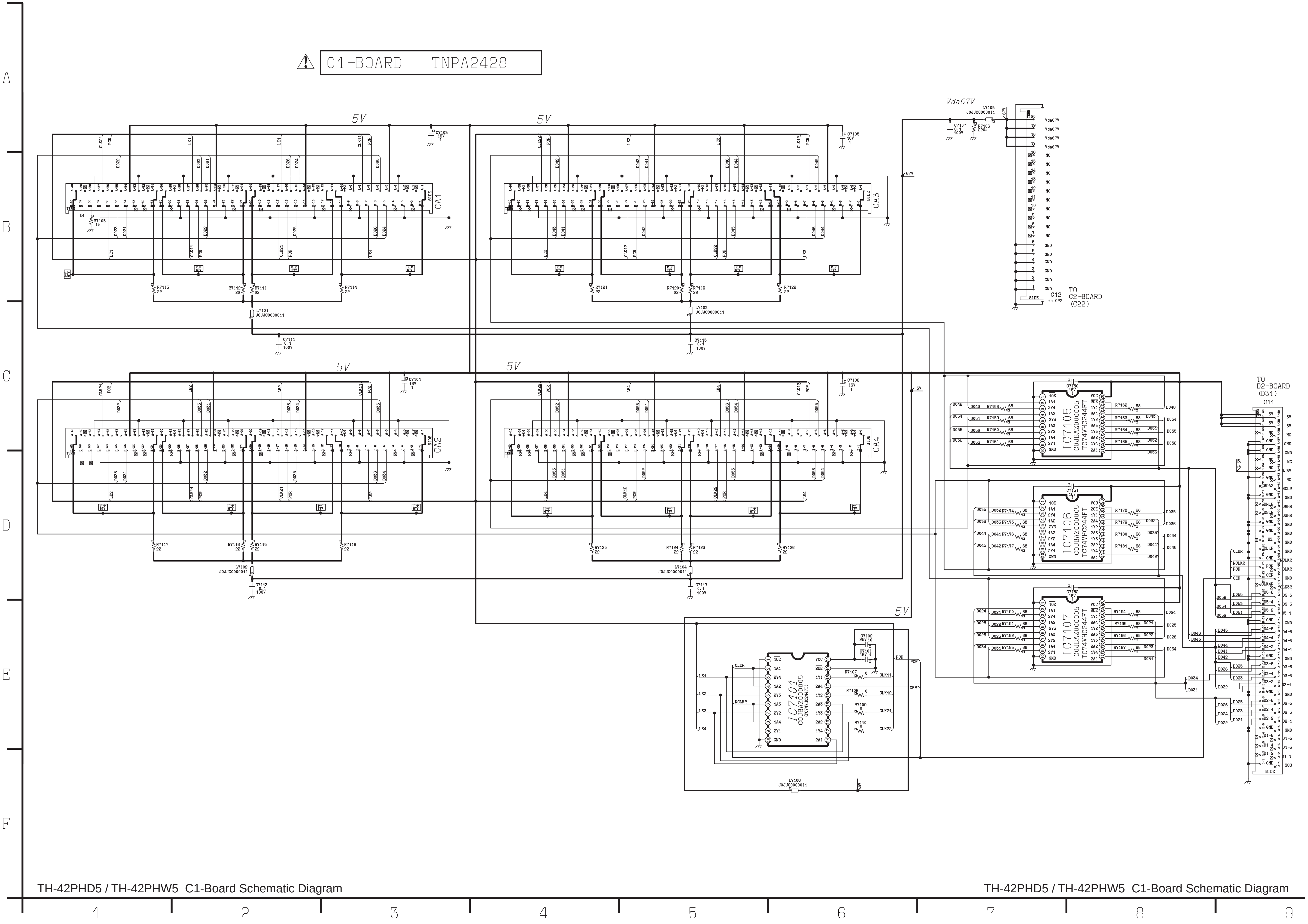
TH-42PHD5 / TH-42PHW5 C3-Board Schematic Diagram

TH-42PHD5 / TH-42PHW5 C3-Board Schematic Diagram

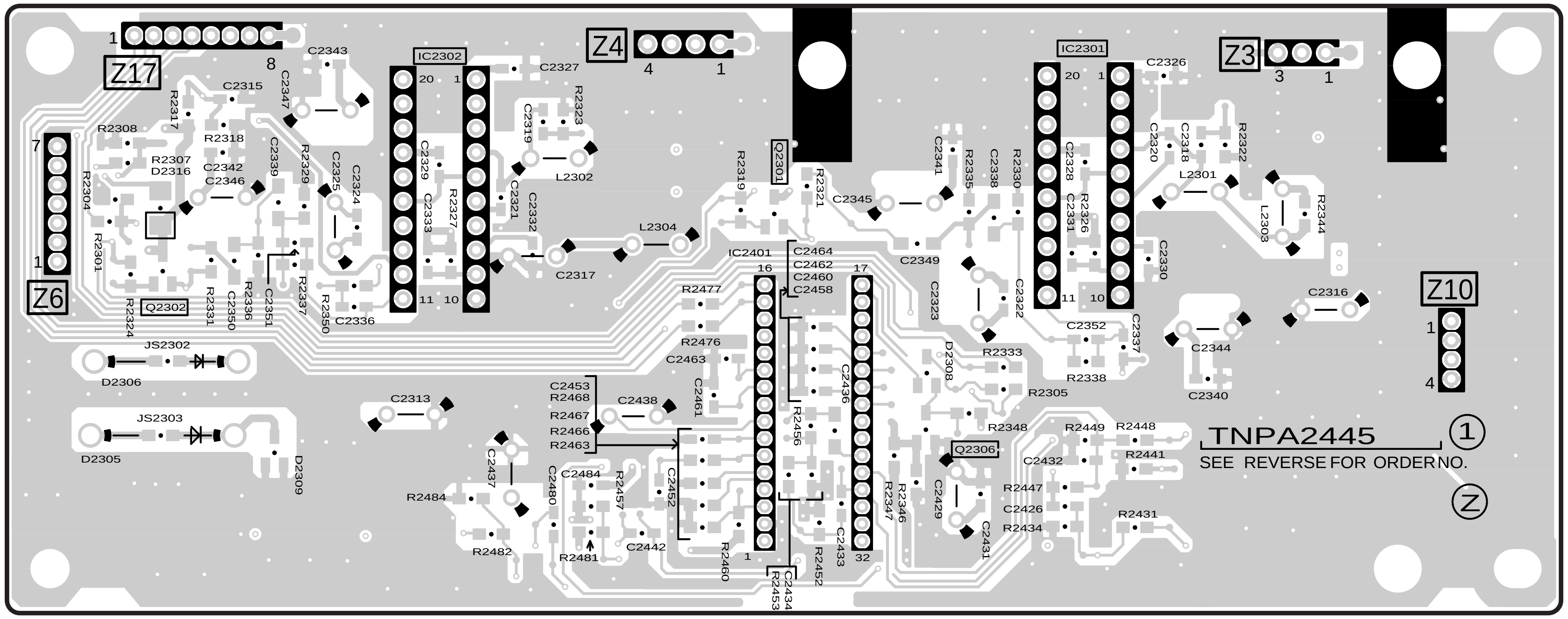

C2-BOARD TNPA2429
5V
5V
5V
5V
Vda67V
Vda67V
5V
IC7205
C0JBAZ000005
TC74VHC244FT
IC7206
C0JBAZ000005
TC74VHC244FT
IC7207
C0JBAZ000005
TC74VHC244FT
IC7201
C0JBAZ000005
TC74VHC244FT
C7250 16V
C7251 16V
C7252 16V
C7201 16V 1
C7202 25V 10
C7203 16V 1
C7204 16V 1
C7205 16V 1
C7206 16V 1
C7207 0.1 100V
C7211 0.1 100V
C7213 0.1 100V
C7215 0.1 100V
C7217 0.1 100V
L7201 J0JJC0000011
L7202 J0JJC0000011
L7203 J0JJC0000011
L7204 J0JJC0000011
L7205 J0JJC0000011
L7206 J0JJC0000011
R7206 220k
R7207 0
R7208 0
R7209 0
R7210 0
R7211 22
R7212 22
R7213 22
R7214 22
R7215 22
R7216 22
R7217 22
R7218 22
R7219 22
R7220 22
R7221 22
R7222 22
R7223 22
R7224 22
R7225 22
R7226 22
CA5
CA6
CA7
CA8
SIDE
TO
D2-BOARD
(D32)
C21
TO
C1-BOARD
(C12)
C22
TO
SS-BOARD
(SC32)
C32
5V
UEH
USH
UML
USL
UEL
URH
UMH
URL
SOS
GND
Vda67V
NC
GND
CEL
PCL
NCLKL
CLKL
CLKL
LE5
LE6
LE7
LE8
CLK11
CLK12
CLK21
CLK22
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

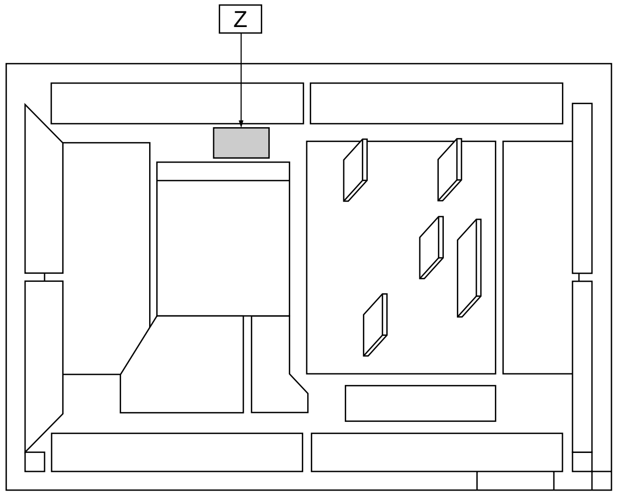
TH-42PHD5 / TH-42PHW5 C2-Board Schematic Diagram

TH-42PHD5 / TH-42PHW5 C2-Board Schematic Diagram

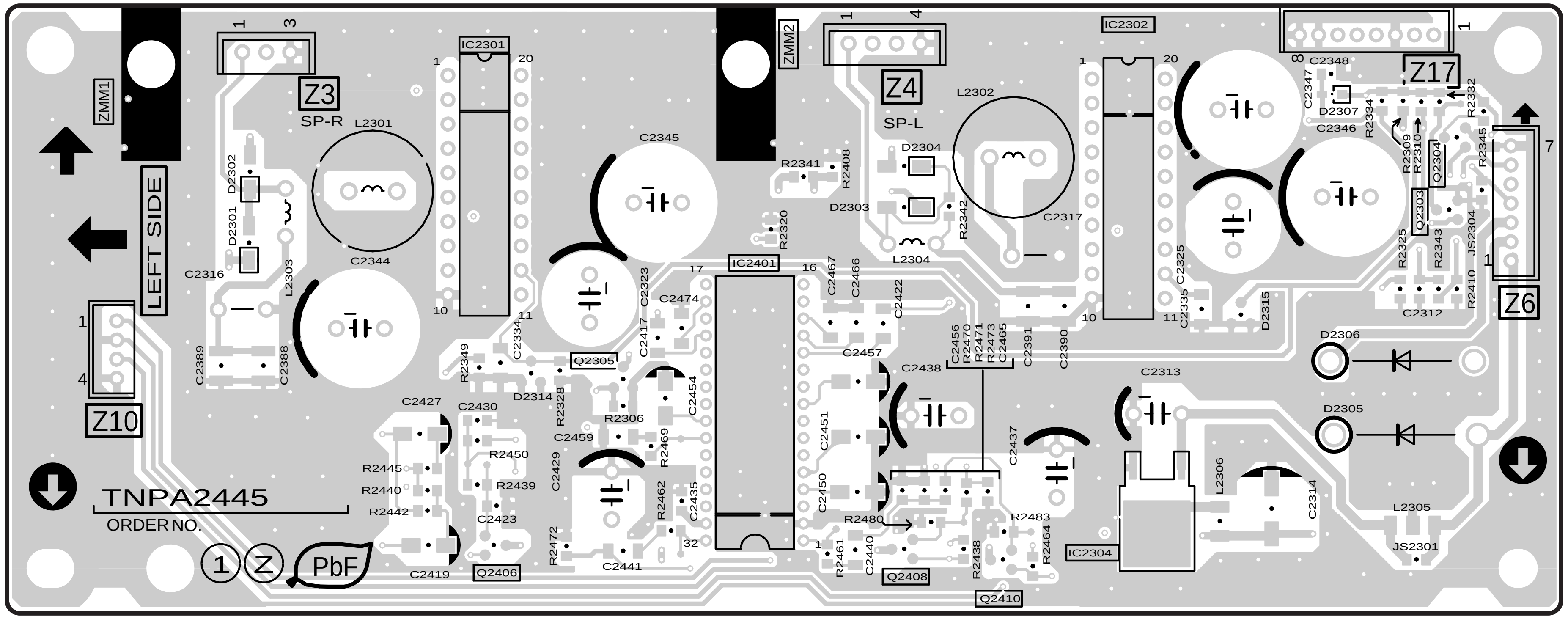
C1-BOARD TNPA2428
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9
5V
CA1
CA2
CA3
CA4
C7103 16V 1
C7104 16V 1
C7105 16V 1
C7106 16V 1
Vda67V
L7105 J0JJC0000011
C7107 0.1 100V
R7106 220k
67V
Vda67V
NC
GND
SIDE
C12 to C22
TO C2-BOARD (C22)
L7101 J0JJC0000011
L7102 J0JJC0000011
L7103 J0JJC0000011
L7104 J0JJC0000011
C7111 0.1 100V
C7113 0.1 100V
C7115 0.1 100V
C7117 0.1 100V
R7105 1k
R7111 22
R7112 22
R7113 22
R7114 22
R7115 22
R7116 22
R7117 22
R7118 22
R7119 22
R7120 22
R7121 22
R7122 22
R7123 22
R7124 22
R7125 22
R7126 22
LE1
LE2
LE3
LE4
CLK11
CLK12
CLK21
CLK22
PCR
CER
CLKR
NCLKR
IC7101
C0JBAZ000005
(TC74VHC244FT)
C7102 25V 10
C7101 16V 1
R7107 0
R7108 0
R7109 0
R7110 0
L7106 J0JJC0000011
IC7105
IC7106
IC7107
C0JBAZ000005
TC74VHC244FT
C7150 16V 1
C7151 16V 1
C7152 16V 1
R7158 68
R7159 68
R7160 68
R7161 68
R7162 68
R7163 68
R7164 68
R7165 68
R7174 68
R7175 68
R7176 68
R7177 68
R7178 68
R7179 68
R7180 68
R7181 68
R7190 68
R7191 68
R7192 68
R7193 68
R7194 68
R7195 68
R7196 68
R7197 68
TO D2-BOARD (D31)
C11
3.3V

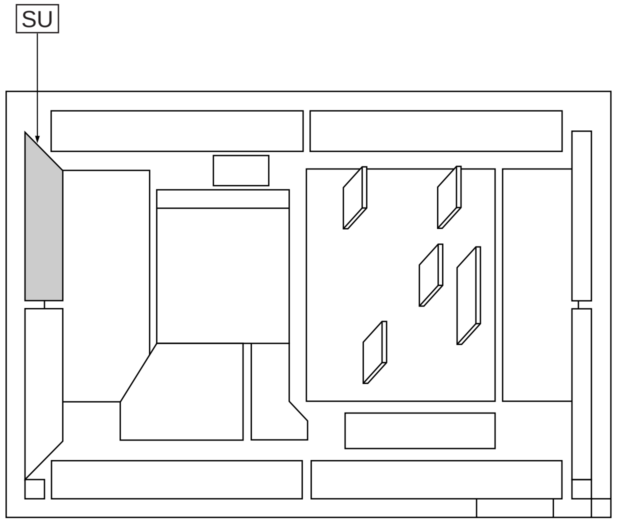
Z-BOARD (FOIL SIDE)
TNPA2445


Z17
Z6
Z4
Z3
Z10
IC2302
IC2301
IC2401
Q2301
Q2302
Q2306
JS2302
JS2303
D2306
D2305
D2309
D2308
L2301
L2302
L2303
L2304
TNPA2445
①
SEE REVERSE FOR ORDER NO.
Ⓩ

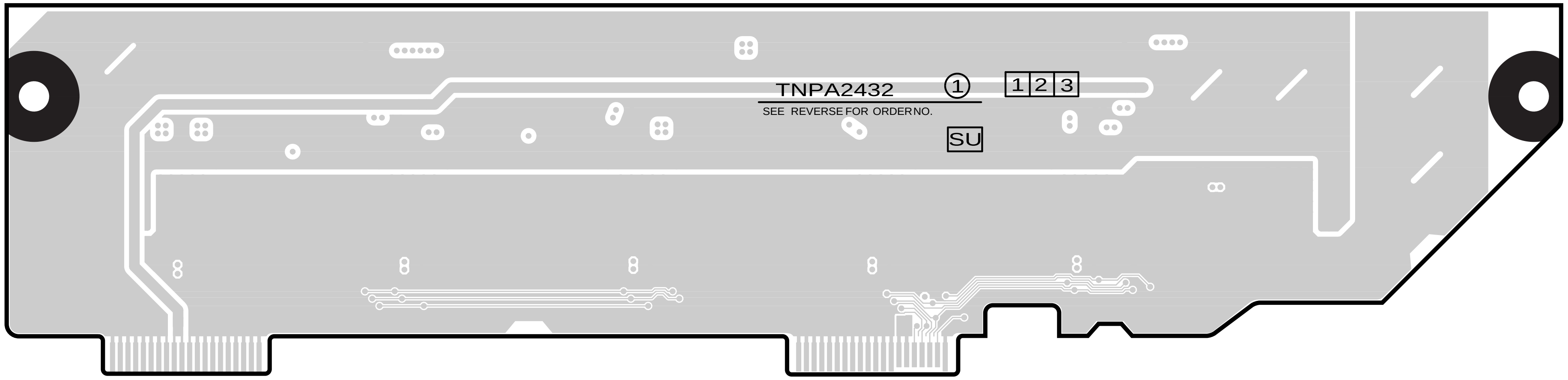


Z-BOARD (COMPONENT SIDE)
TNPA2445

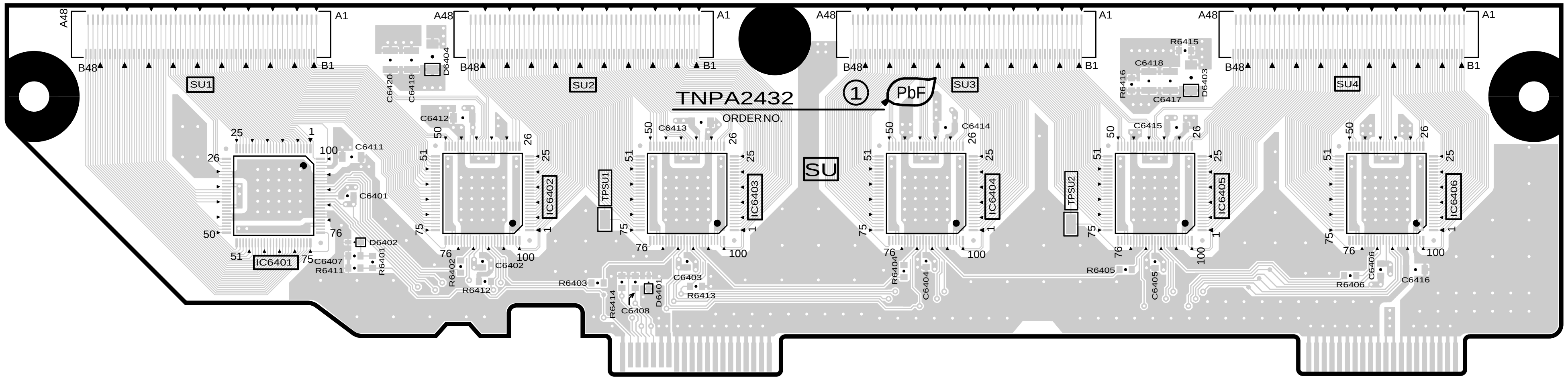

ZMM1
ZMM2
LEFT SIDE
Z3
SP-R
Z4
SP-L
Z17
Z6
Z10
IC2301
IC2302
IC2401
IC2304
Q2305
Q2303
Q2304
Q2406
Q2408
Q2410
L2301
L2302
L2303
L2304
L2305
L2306
D2301
D2302
D2303
D2304
D2305
D2306
D2307
D2314
D2315
JS2301
JS2304
C2345
C2344
C2317
C2313
TNPA2445
ORDER NO.
①
Ⓩ
PbF

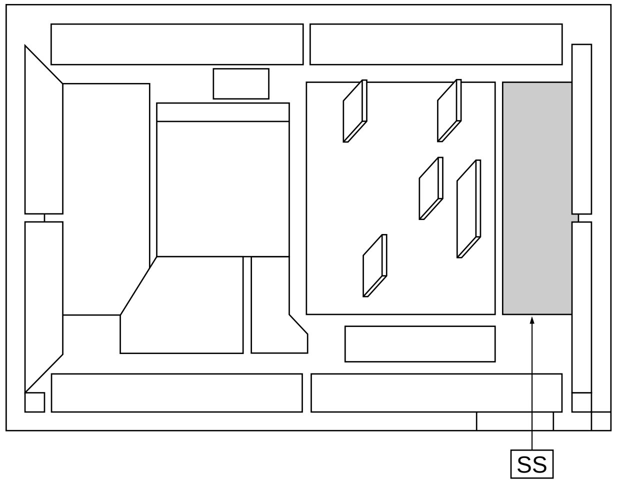


SU-BOARD(FOIL SIDE)
TNPA2432


TNPA2432
①
1 2 3
SEE REVERSE FOR ORDER NO.
SU

SU-BOARD(COMPONENT SIDE)
TNPA2432


A48
A1
B48
B1
SU1
SU2
SU3
SU4
TNPA2432
①
PbF
ORDER NO.
SU
IC6401
IC6402
IC6403
IC6404
IC6405
IC6406
TPSU1
TPSU2
C6401
C6402
C6403
C6404
C6405
C6406
C6407
C6408
C6411
C6412
C6413
C6414
C6415
C6416
C6417
C6418
C6419
C6420
D6401
D6402
D6403
D6404
R6401
R6402
R6403
R6404
R6405
R6406
R6411
R6412
R6413
R6414
R6415
R6416
1
25
26
50
51
75
76
100



Parts Location

SS-BOARD (FOIL SIDE)

TRANSISTOR	
Q6711	C-2
Q6712	C-2
Q6713	C-2
Q6714	D-2
Q6715	E-2
Q6717	F-2
Q6718	F-2
Q6719	G-2
Q6720	G-2
Q6721	E-4
Q6722	D-4
Q6723	F-4
Q6724	F-4
Q6725	D-4
Q6726	E-4
Q6731	I-2
Q6738	I-1
Q6739	I-1

TP	
TP1	B-3
TP2	B-4
TP3	B-3
TP4	B-4
TP5	B-4
TP6	B-3
TP7	B-4
TP8	B-4
TP9	B-4
TP10	C-4
TP11	B-4
TP12	A-3
TP13	A-3
TP14	H-4
TP15	A-3
TP16	A-3
TP17	A-3
TP18	A-3
TP19	A-3
TP20	A-3
TP21	A-3
TP22	A-3
TP23	A-3
TP24	H-2
TP25	B-4
TP26	I-3
TP27	G-4
TP28	H-4
TP29	E-1
TP30	B-3
TP31	I-2
TP32	A-3
TP33	A-2

Parts Location

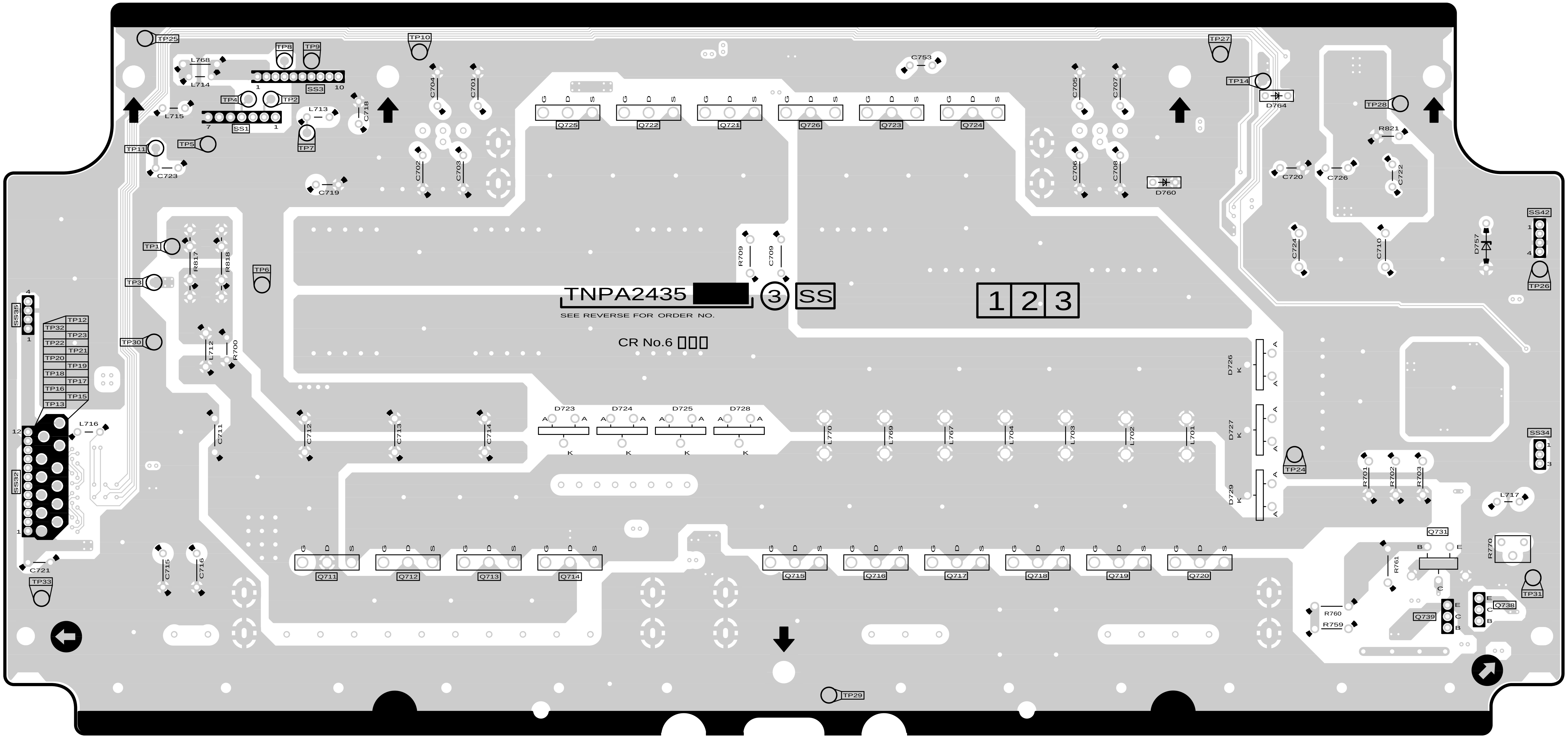
SS-BOARD (COMPONENT SIDE)

IC	
IC6701	E-4
IC6702	E-4
IC6704	A-3
IC6705	B-4
IC6706	I-2
IC6707	C-4
IC6708	H-4
IC6709	A-1

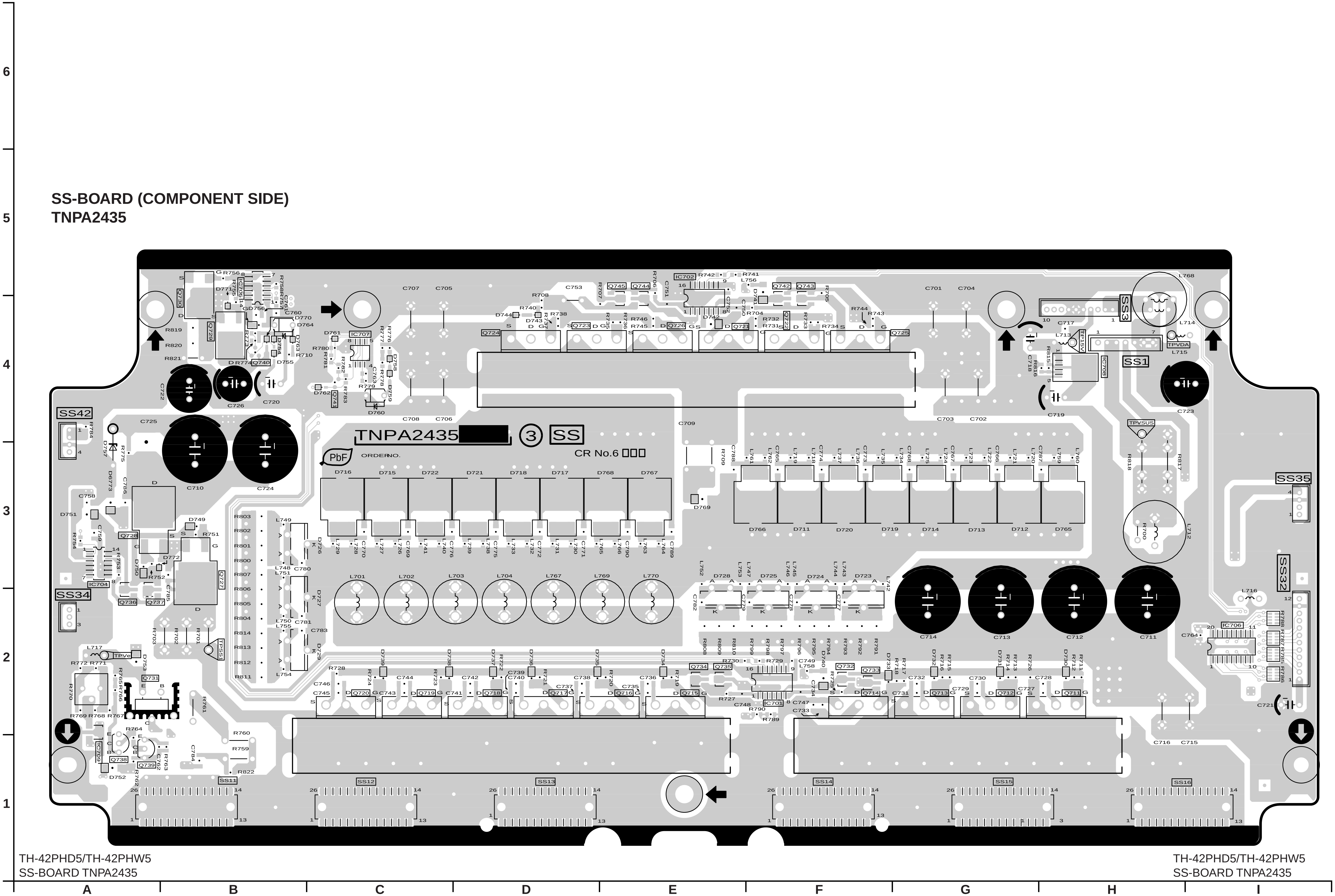
TRANSISTOR	
Q6711	H-2
Q6712	G-2
Q6713	G-2
Q6714	F-2
Q6715	E-2
Q6716	E-2
Q6717	D-2
Q6718	D-2
Q6719	C-2
Q6720	C-2
Q6721	E-4
Q6722	F-4
Q6723	D-4
Q6724	D-4
Q6725	G-4
Q6726	E-4
Q6727	B-3
Q6728	A-3
Q6729	B-4
Q6730	B-4
Q6731	A-2
Q6732	F-2
Q6733	F-2
Q6734	E-2
Q6735	E-2
Q6736	A-2
Q6737	A-2
Q6738	A-1
Q6739	A-1
Q6740	B-4
Q6741	C-4
Q6742	F-4
Q6743	F-4
Q6744	E-4
Q6745	E-4

TP	
TP15V	H-4
TPSS1	B-2
TPVDA	H-4
TPVe	A-2

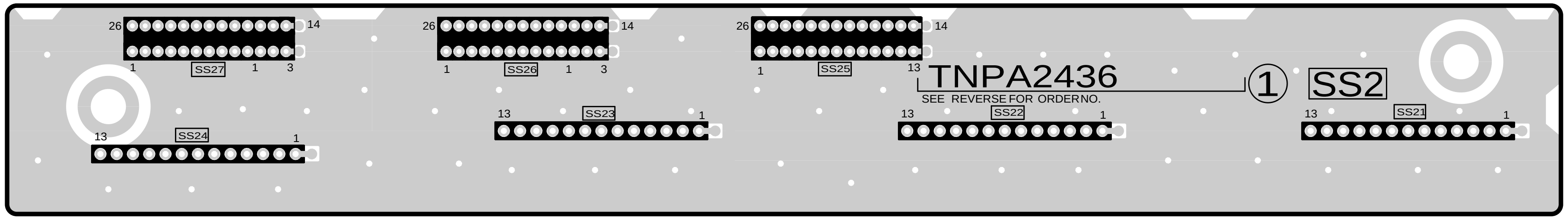
SS-BOARD (FOIL SIDE)
TNPA2435


TNPA2435
3
SS
SEE REVERSE FOR ORDER NO.
CR No.6
1 2 3
TP25
TP8
TP9
TP10
TP27
TP14
TP28
TP4
TP2
TP7
TP5
TP11
TP1
TP3
TP6
TP30
TP12
TP32
TP23
TP22
TP21
TP20
TP19
TP18
TP17
TP16
TP15
TP13
TP33
TP29
TP24
TP26
TP31
SS1
SS3
SS32
SS34
SS35
SS42
L768
L714
L715
L713
L712
L716
L717
L770
L769
L767
L704
L703
L702
L701
C701
C702
C703
C704
C705
C706
C707
C708
C709
C710
C711
C712
C713
C714
C715
C716
C718
C719
C720
C721
C722
C723
C724
C726
C753
R700
R701
R702
R703
R709
R759
R760
R761
R770
R817
R818
R821
D723
D724
D725
D726
D727
D728
D729
D757
D760
D764
Q711
Q712
Q713
Q714
Q715
Q716
Q717
Q718
Q719
Q720
Q721
Q722
Q723
Q724
Q725
Q726
Q731
Q738
Q739
G
D
S
A
K
E
B
C
1
2
3
4
5
6
A
B
C
D
E
F
G
H
I

SS-BOARD (COMPONENT SIDE)
TNPA2435

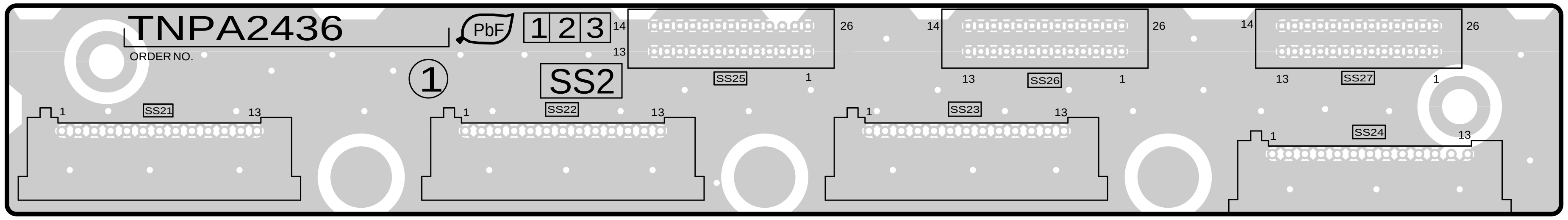

6
5
4
3
2
1
A
B
C
D
E
F
G
H
I
TNPA2435
③
SS
PbF
ORDER NO.
CR No.6
SS42
SS34
SS35
SS32
SS3
SS1
SS11
SS12
SS13
SS14
SS15
SS16
IC701
IC702
IC704
IC705
IC706
IC707
IC708
IC709
TPVSUS
TPVDA
TP15V
TPSS1
TPV6
C710
C724
C722
C726
C720
C723
C714
C713
C712
C711
L701
L702
L703
L704
L767
L769
L770
L768

SS2-BOARD(FOIL SIDE)
TNPA2436



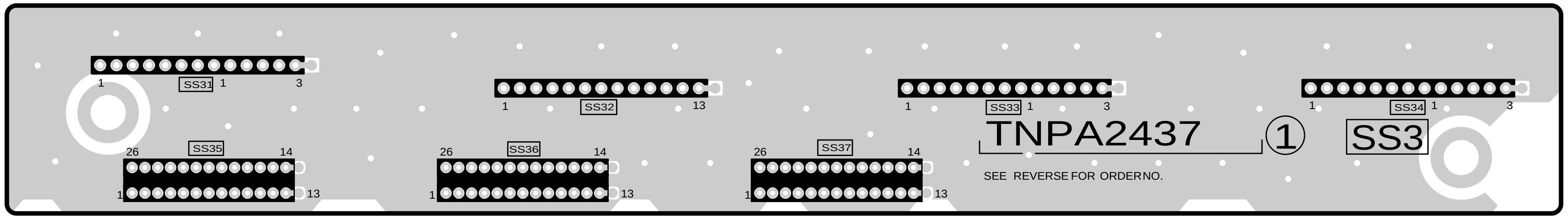
26
14
1
SS27
1
3
26
14
1
SS26
1
3
26
14
1
SS25
13
TNPA2436
SEE REVERSE FOR ORDER NO.
①
SS2
13
SS24
1
13
SS23
1
13
SS22
1
13
SS21
1

SS2-BOARD(COMPONENT SIDE)
TNPA2436



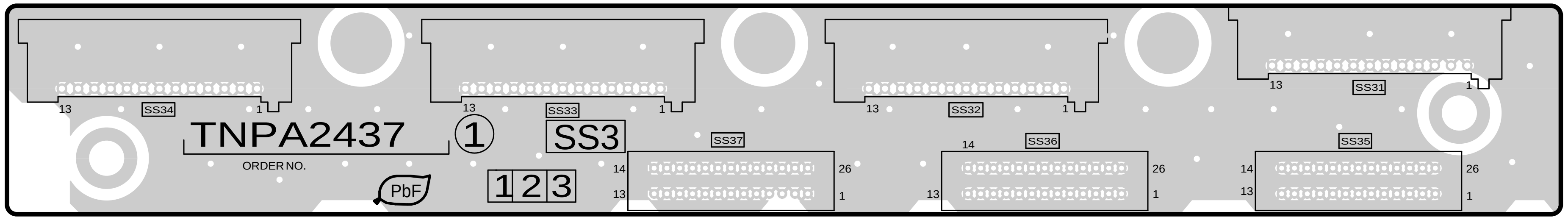
TNPA2436
ORDER NO.
PbF
1 2 3
①
SS2
14
13
26
SS25
1
14
26
13
SS26
1
14
26
13
SS27
1
1
SS21
13
1
SS22
13
1
SS23
13
1
SS24
13

SS3-BOARD(FOIL SIDE)
TNPA2437

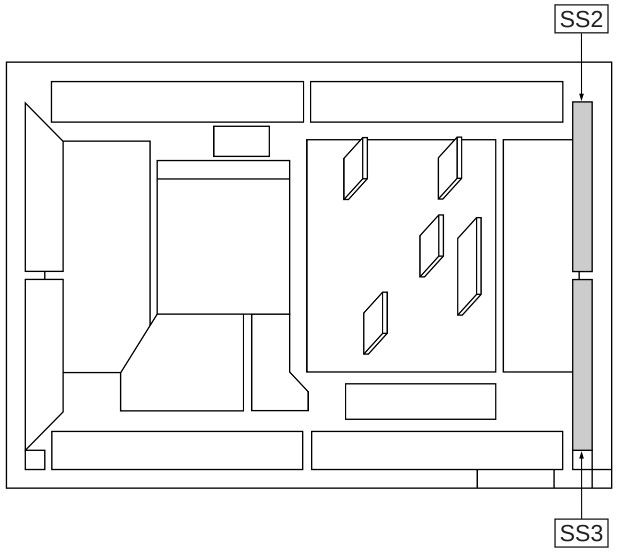


1
SS31
1
3
1
SS32
13
1
SS33
1
3
1
SS34
1
3
TNPA2437
①
SS3
SEE REVERSE FOR ORDER NO.
26
SS35
14
1
13
26
SS36
14
1
13
26
SS37
14
1
13

SS3-BOARD(COMPONENT SIDE)
TNPA2437



13
SS34
1
13
SS33
1
13
SS32
1
13
SS31
1
TNPA2437
ORDER NO.
①
SS3
PbF
1 2 3
SS37
14
13
26
1
14
SS36
13
26
1
SS35
14
13
26
1



6
5
4
3
2
1

A B C D E F G H I

6

5

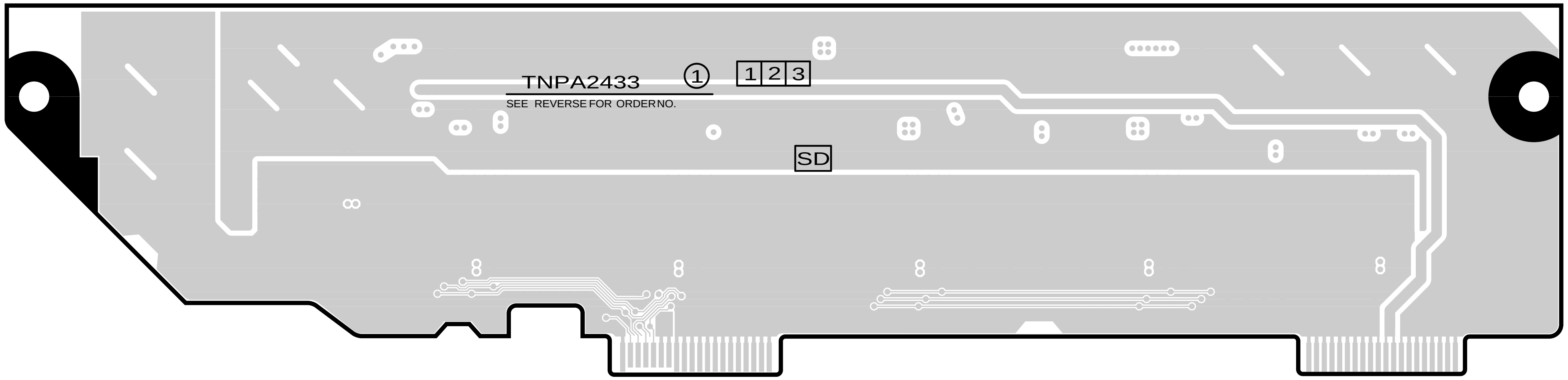
4

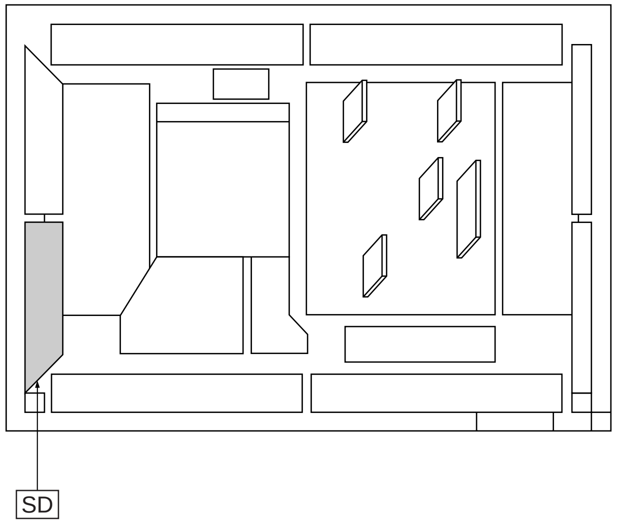
3

2

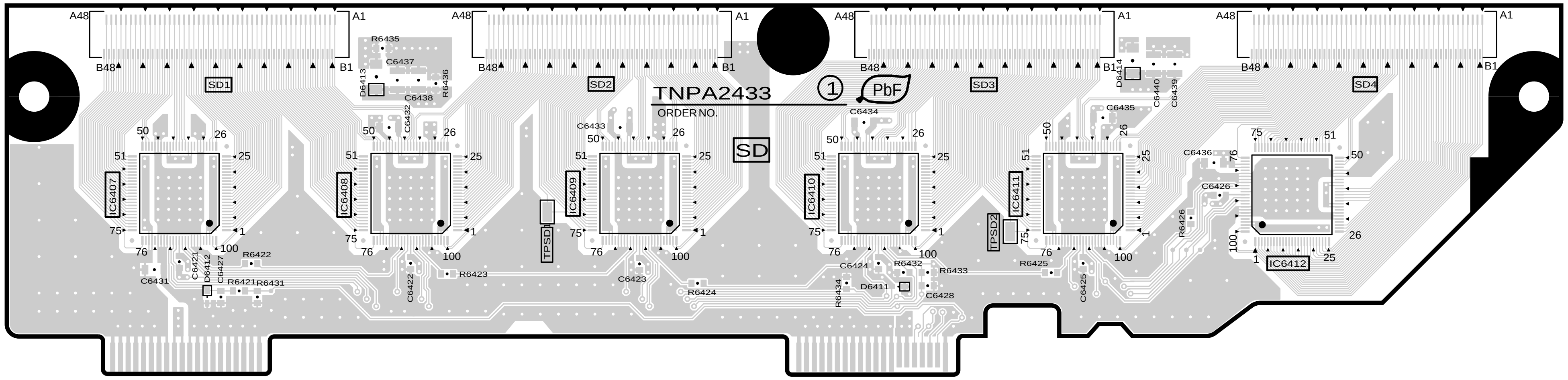
1

SD-BOARD(FOIL SIDE)
TNPA2433


TNPA2433
①
1 2 3
SEE REVERSE FOR ORDER NO.
SD



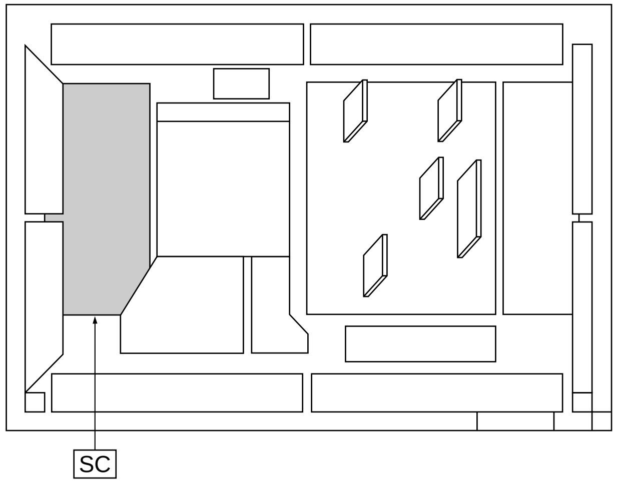
SD-BOARD(COMPONENT SIDE)
TNPA2433


A48
A1
B48
B1
SD1
SD2
SD3
SD4
TNPA2433
①
PbF
ORDER NO.
SD
IC6407
IC6408
IC6409
IC6410
IC6411
IC6412
TPSD1
TPSD2
R6435
C6437
R6436
D6413
C6438
C6432
C6433
C6434
D6414
C6435
C6440
C6439
C6436
C6426
R6426
C6431
C6421
D6412
C6427
R6422
R6421
R6431
C6422
R6423
C6423
R6424
C6424
R6432
R6433
R6434
D6411
C6428
R6425
C6425
1
25
26
50
51
75
76
100

TH-42PHD5/TH-42PHW5
SD-BOARD TNPA2433

TH-42PHD5/TH-42PHW5
SD-BOARD TNPA2433

A B C D E F G H I



Parts Location

SC-BOARD (FOIL SIDE)

TRANSISTOR	
Q6453	H-3
Q6491	H-2
Q6492	H-2
Q6550	C-6
Q6601	G-4
Q6602	G-4
Q6603	F-3
Q6604	F-3
Q6605	D-5
Q6606	D-4
Q6607	C-4
Q6608	C-4
Q6609	C-4
Q6610	B-4
Q6621	F-1
Q6622	F-1
Q6623	E-1
Q6624	E-1
Q6625	D-1
Q6626	D-1
Q6671	A-4
Q6672	A-4
Q6673	A-4

TP	
TP1	A-1
TP2	A-2
TP3	B-2
TP4	B-2
TP6	B-1
TP7	B-1
TP8	B-1
TP9	B-1
TP10	H-1
TP11	H-1
TP12	H-1
TP13	H-1
TP14	H-1
TP15	H-1
TP16	H-1
TP17	H-1
TP18	H-1
TP20	H-1
TP21	H-1
TP22	H-1
TP23	H-1
TP24	H-1
TP25	H-1
TP26	H-1
TP27	H-1
TP28	H-1
TP29	H-1
TP30	H-1
TP31	H-1
TP40	A-6
TP41	A-6
TP42	A-6
TP43	A-6
TP44	I-6
TP45	A-6
TP46	I-6
TP47	I-6
TP48	I-6
TP49	I-6
TP50	A-6
TP51	I-6
TP54	H-6
TP55	H-6
TP56	G-6
TP57	F-6
TP58	F-6
TP59	E-6
TP60	D-6
TP61	D-6
TP62	C-6
TP63	C-6
TP70	H-5
TP71	A-4
TP72	A-5
TP74	A-4
TP75	A-5
TP76	H-2
TP77	H-2
TP80	F-5
TP81	F-6
TP83	D-6
TP84	D-6

Parts Location

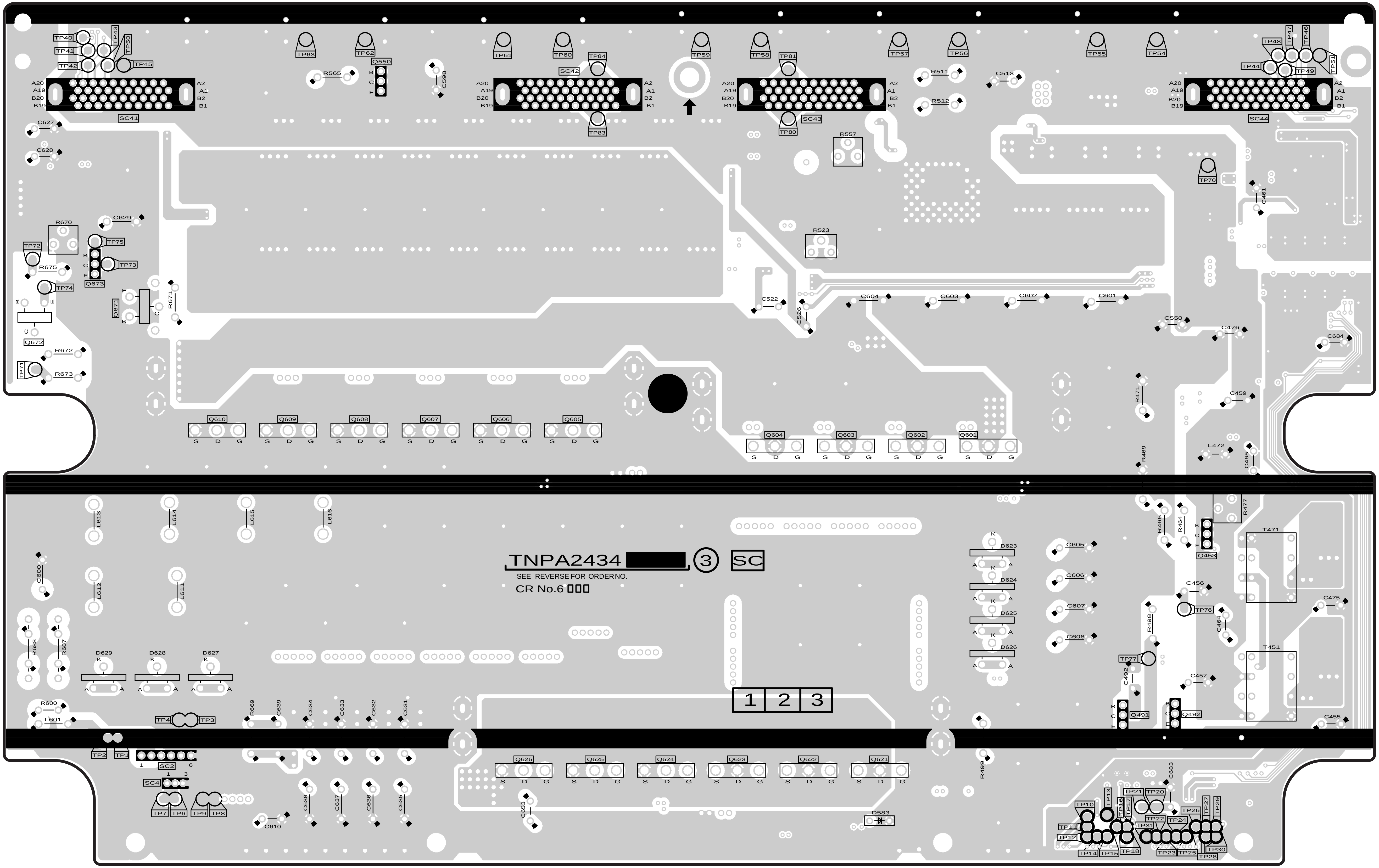
SC-BOARD (COMPONENT SIDE)

IC	
IC6451	B-2
IC6452	B-4
IC6453	B-5
IC6454	A-5
IC6471	A-3
IC6491	B-1
IC6501	A-5
IC6502	A-5
IC6511	B-6
IC6521	D-4
IC6541	E-5
IC6542	B-5
IC6581	C-1
IC6601	E-3
IC6602	E-1
IC6604	I-5
IC6605	B-1
IC6606	A-1
IC6612	H-1
IC6671	I-5

TRANSISTOR	
Q6451	A-2
Q6452	A-2
Q6453	B-3
Q6454	A-2
Q6471	A-3
Q6472	A-3
Q6474	A-3
Q6476	A-5
Q6477	A-5
Q6491	B-2
Q6492	B-2
Q6511	C-6
Q6512	C-5
Q6520	E-5
Q6521	E-5
Q6523	E-4
Q6524	D-5
Q6525	E-5
Q6526	E-5
Q6530	E-4
Q6531	E-4
Q6532	F-4
Q6533	F-4
Q6534	F-4
Q6534	G-4
Q6535	G-4
Q6536	G-4
Q6537	G-4
Q6538	G-4
Q6539	H-4
Q6540	E-5
Q6541	E-5
Q6542	F-5
Q6543	F-5
Q6544	F-5
Q6545	F-5
Q6546	G-5
Q6547	G-5
Q6548	G-5
Q6549	H-5
Q6550	G-6
Q6551	D-5
Q6552	C-5
Q6561	B-5
Q6562	B-5
Q6563	C-5
Q6564	C-5
Q6581	D-1
Q6601	C-3
Q6602	D-3
Q6603	D-3
Q6604	D-3
Q6605	F-3
Q6606	F-3
Q6607	G-3
Q6608	G-3
Q6609	H-3
Q6610	H-3
Q6611	E-3
Q6612	E-3
Q6613	F-3
Q6614	F-3
Q6621	D-1
Q6622	D-1
Q6623	E-1
Q6624	E-1
Q6625	F-1
Q6626	F-1
Q6627	D-1
Q6628	D-1
Q6629	E-1
Q6630	E-1
Q6641	H-5
Q6642	H-5
Q6645	H-5
Q6646	I-5
Q6671	I-4
Q6672	I-4
Q6673	I-5

TP	
TPSC1	C-6
TPSVSUS	I-2
TPVAD	B-3
TPVBK	I-4
TPVSCN	B-3
TPVSET	B-2

SC-BOARD (FOIL SIDE)
TNPA2434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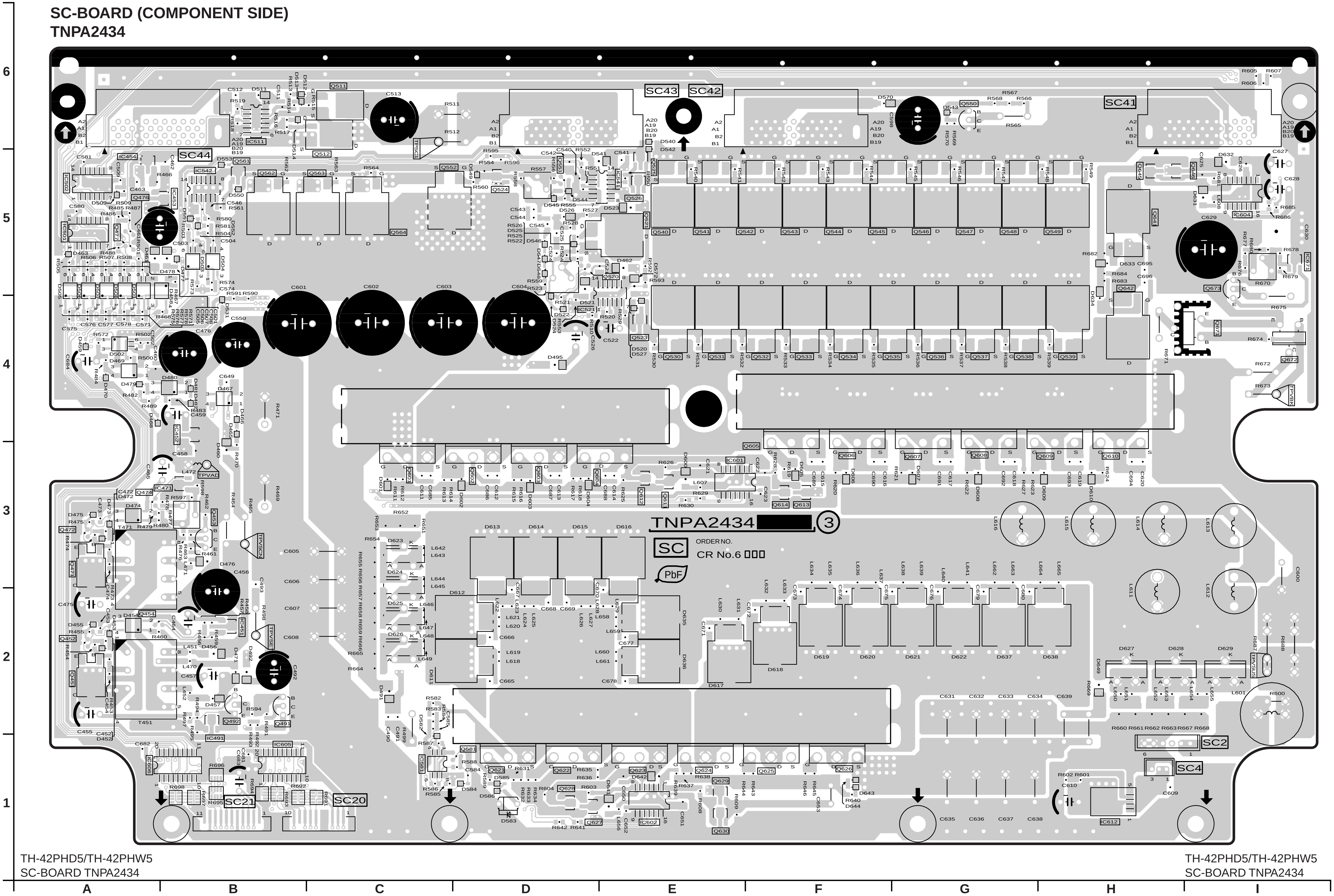
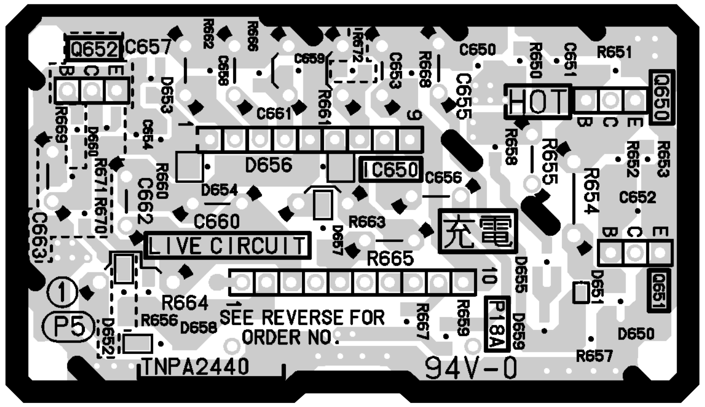
TP43
TP50
TP45
SC41
A20
A19
B20
B19
A2
A1
B2
B1
TP63
TP62
Q550
R565
C598
TP61
TP60
TP84
SC42
TP83
TP59
TP58
TP81
SC43
TP80
TP57
TP56
R511
R512
C513
TP55
TP54
TP48
TP47
TP46
TP44
TP49
TP51
SC44
C627
C628
R557
TP70
C461
R670
C629
TP72
TP75
TP73
Q673
R675
TP74
Q671
R671
Q672
R672
TP71
R673
R523
C522
C526
C604
C603
C602
C601
C550
C476
C684
R471
C459
Q610
Q609
Q608
Q607
Q606
Q605
Q604
Q603
Q602
Q601
S
D
G
L472
C465
R469
L613
L614
L615
L616
TNPA2434
3
SC
SEE REVERSE FOR ORDER NO.
CR No.6
D623
D624
D625
D626
K
A
C605
C606
C607
C608
R465
R464
R477
Q453
T471
C456
C475
TP76
C464
R498
T451
TP77
C492
C457
Q491
Q492
C455
C600
L612
L611
R688
R687
D629
D628
D627
R600
L601
TP4
TP3
R669
C639
C634
C633
C632
C631
1
2
3
TP2
TP1
SC2
6
SC4
TP7
TP6
TP9
TP8
C610
C638
C637
C636
C635
C653
Q626
Q625
Q624
Q623
Q622
Q621
R499
D583
C683
TP10
TP13
TP16
TP17
TP21
TP20
TP11
TP12
TP14
TP15
TP18
TP22
TP31
TP24
TP26
TP27
TP29
TP23
TP25
TP28
TP30
B
C
E
A
B
C
D
E
F
G
H
I
1
2
3
4
5
6

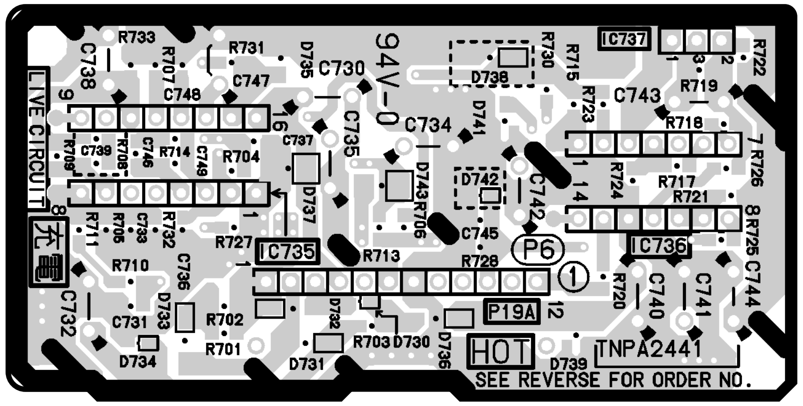
SC-BOARD (COMPONENT SIDE)
TNPA2434

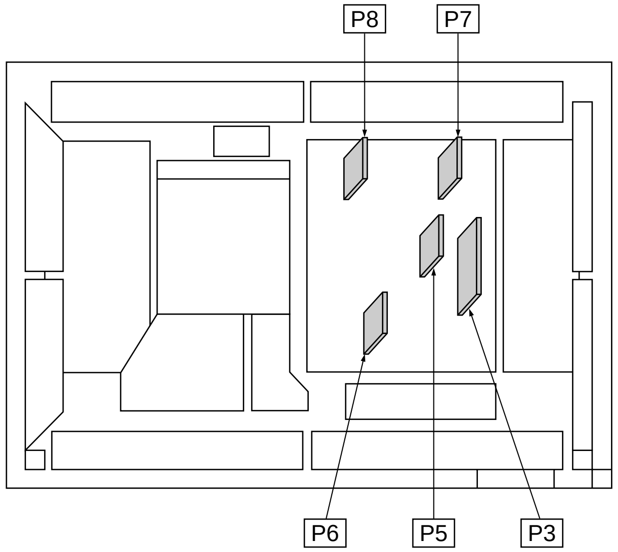

SC44
SC43
SC42
SC41
TNPA2434
3
SC
ORDER NO.
CR No.6
PbF
SC2
SC4
SC20
SC21
TPVAD
TPVSCN
TPVSET
TPVSUS
TPVBK
TPSC1
6
5
4
3
2
1
A
B
C
D
E
F
G
H
I

P5-BOARD(FOIL SIDE)
TNPA2440

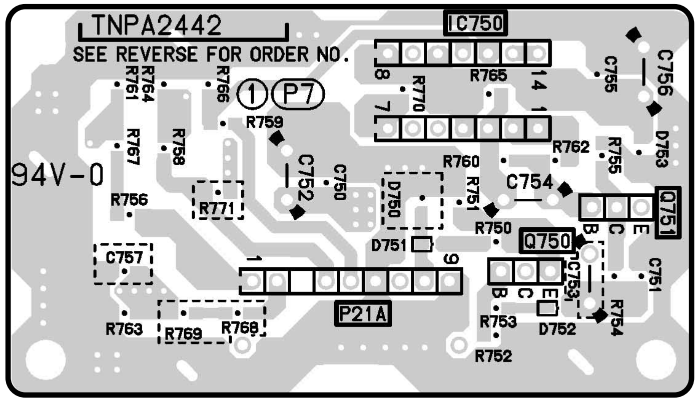

Q652
C657
R662
R666
R672
C659
C653
C650
R650
C651
R651
Q650
HOT
D653
C661
R669
C655
C654
D656
IC650
C656
R658
R655
R652
R653
R654
C652
R660
C662
C660
D654
R663
充電
LIVE CIRCUIT
R665
Q651
C663
R664
P5
R656
D658
SEE REVERSE FOR ORDER NO.
R667
R659
P18A
D650
R657
TNPA2440
94V-0

P6-BOARD(FOIL SIDE)
TNPA2441

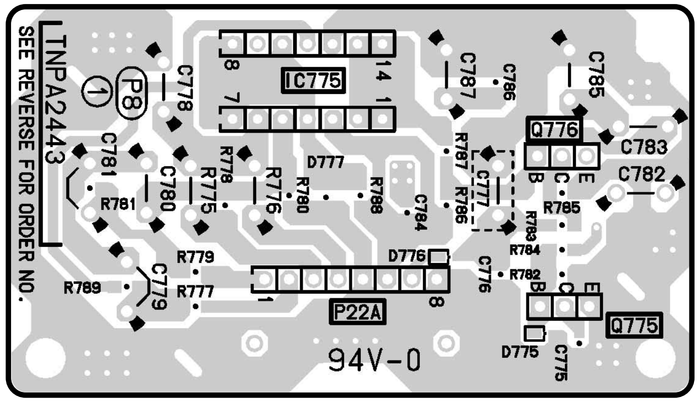

R733
R707
R731
C738
C747
C730
94V-0
D738
R730
R715
IC737
R722
C748
R719
C743
C734
R723
R718
LIVE CIRCUIT
C739
C737
C735
C742
R704
R724
R717
R721
R726
D742
R727
IC735
R713
C745
P6
IC736
R725
C744
充電
R711
R710
R728
C736
C740
C741
R720
C732
C731
D733
R702
D732
P19A
R703
D730
D736
HOT
TNPA2441
D734
R701
D731
D739
SEE REVERSE FOR ORDER NO.


P8
P7
P6
P5
P3

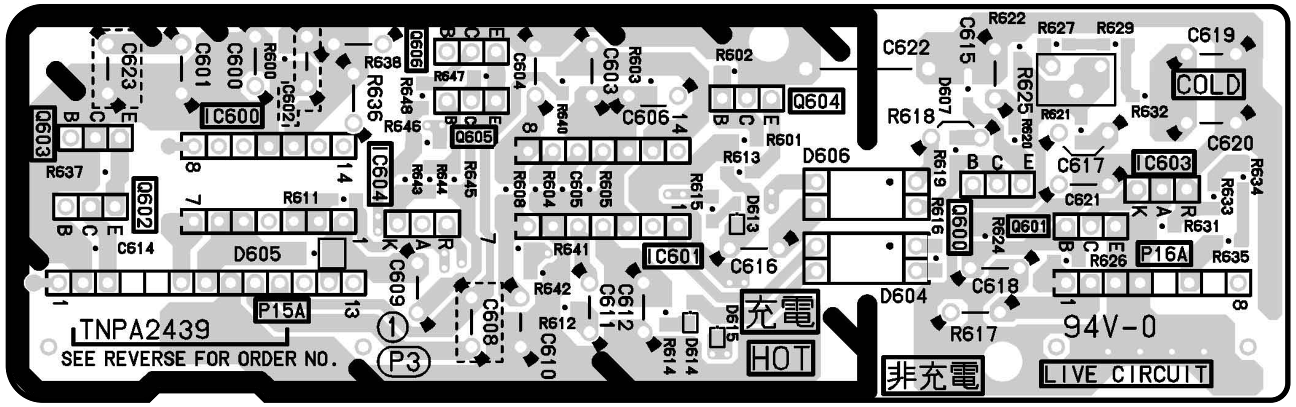
P7-BOARD(FOIL SIDE)
TNPA2442


TNPA2442
IC750
SEE REVERSE FOR ORDER NO.
R761
R764
R766
P7
R770
R765
C755
C756
R759
R767
R758
C752
C750
R760
R762
R755
D753
94V-0
R756
R771
D750
R751
C754
Q751
R750
D751
Q750
C753
C751
C757
P21A
R753
R754
R763
R769
R768
D752
R752

P8-BOARD(FOIL SIDE)
TNPA2443

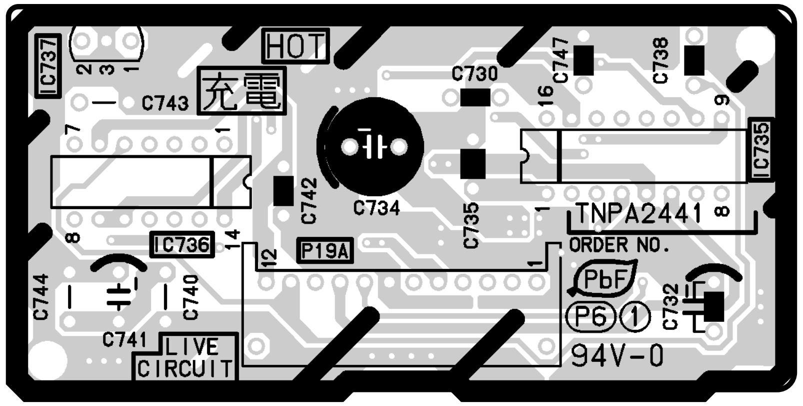

TNPA2443
SEE REVERSE FOR ORDER NO.
P8
C778
IC775
C787
C786
C785
Q776
C781
R778
R775
R776
D777
R787
C777
C783
C782
R781
C780
R780
R788
C784
R786
R785
R783
R779
D776
R784
C776
R789
C779
R777
R782
P22A
Q775
94V-0
D775
C775

P3-BOARD(FOIL SIDE)
TNPA2439

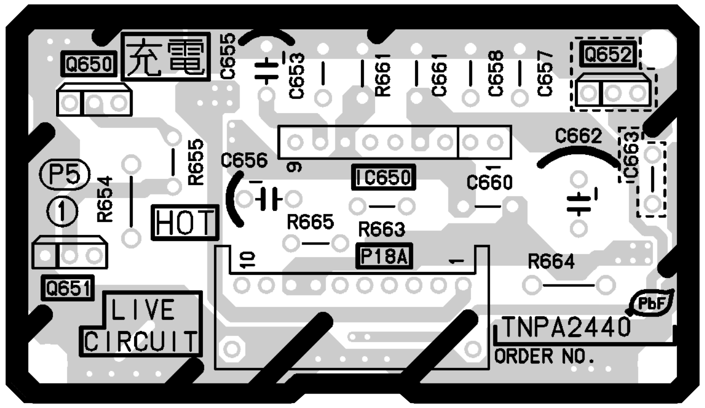

C623
C601
C600
R600
IC602
R638
Q606
R647
C604
C603
R603
R602
C622
C615
R622
R627
R629
C619
COLD
R636
R649
R646
IC600
Q605
R640
C606
Q604
R618
D607
R625
R621
R632
Q603
R637
IC604
R644
R643
R645
R608
R604
C605
R605
R601
R613
D606
R620
R619
C617
IC603
C620
R634
Q602
R611
R615
D613
R616
Q600
C621
R633
C614
D605
C609
R641
IC601
C616
Q601
R624
R626
R631
P16A
R635
P15A
R642
C612
C608
D604
C618
TNPA2439
SEE REVERSE FOR ORDER NO.
P3
R612
C610
R614
D614
D615
充電
HOT
R617
非充電
94V-0
LIVE CIRCUIT

TH-42PHD5/TH-42PHW5
P3-BOARD TNPA2439 P5-BOARD TNPA2440 P6-BOARD TNPA2441
P7-BOARD TNPA2442 P8-BOARD TNPA2443

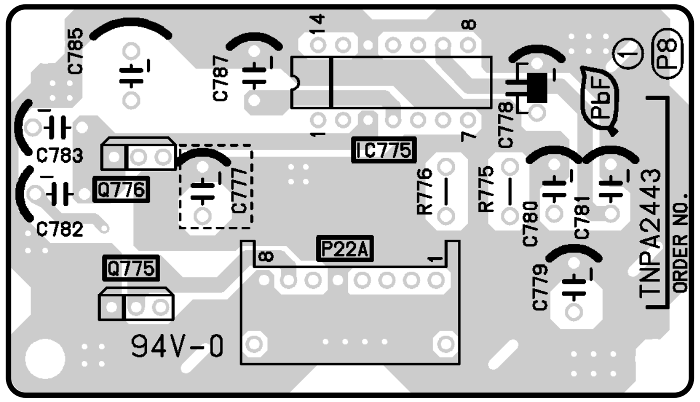
P6-BOARD(COMPONENT SIDE)
TNPA2441


IC737
HOT
充電
C743
C730
C747
C738
C735
IC735
C742
C734
TNPA2441
ORDER NO.
IC736
P19A
PbF
P6
①
94V-0
C744
C740
C741
C732
LIVE
CIRCUIT

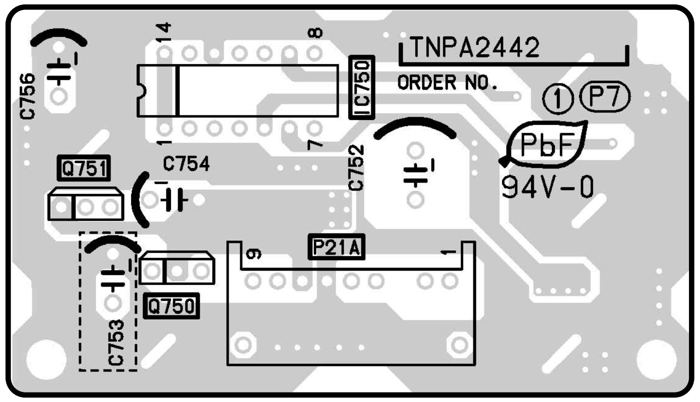
P5-BOARD(COMPONENT SIDE)
TNPA2440


Q650
充電
C655
C653
R661
C661
C658
C657
Q652
C662
C663
R655
C656
IC650
C660
P5
①
R654
HOT
R665
R663
P18A
R664
Q651
LIVE
CIRCUIT
PbF
TNPA2440
ORDER NO.

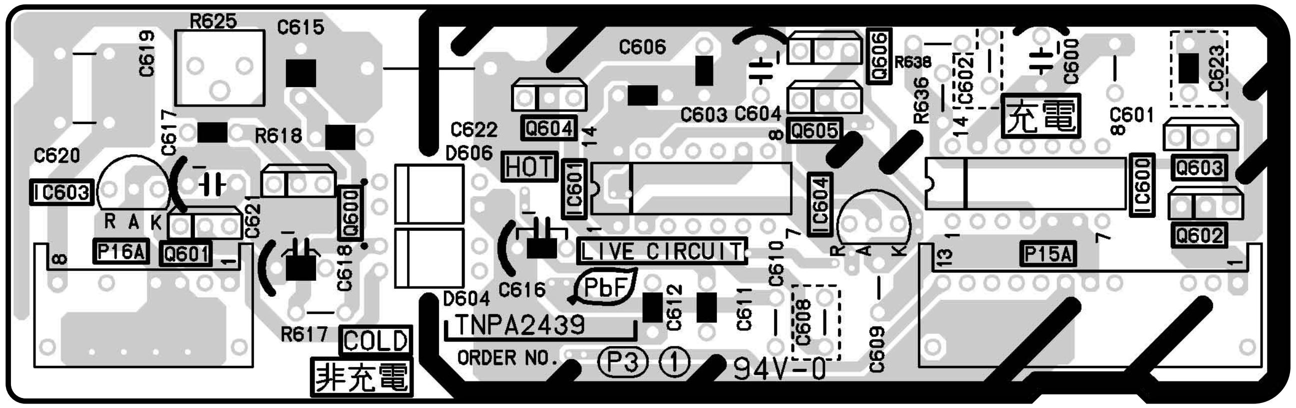
P8-BOARD(COMPONENT SIDE)
TNPA2443

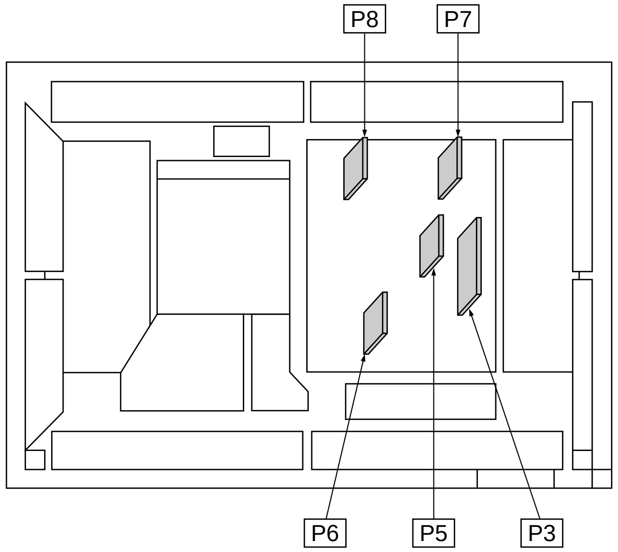

C785
C787
①
P8
C778
PbF
C783
IC775
Q776
C777
R776
R775
C780
C781
TNPA2443
ORDER NO.
C782
P22A
Q775
C779
94V-0

P7-BOARD(COMPONENT SIDE)
TNPA2442


C756
TNPA2442
ORDER NO.
C750
①
P7
PbF
94V-0
Q751
C754
C752
P21A
C753
Q750

P3-BOARD(COMPONENT SIDE)
TNPA2439

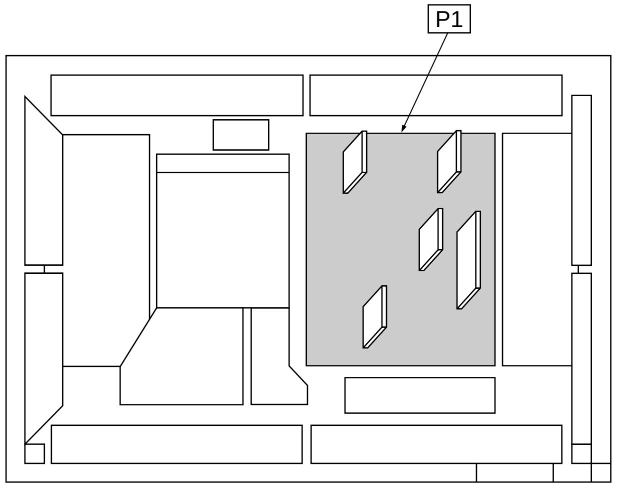

R625
C615
C619
C606
Q606
R638
C602
C600
C623
C617
R618
C622
Q604
C603
C604
Q605
R636
充電
C601
C620
D606
HOT
Q603
IC603
C621
Q600
C601
IC601
IC604
IC600
R A K
P16A
Q601
C618
LIVE CIRCUIT
C610
R A K
P15A
Q602
D604
C616
PbF
C612
C611
C608
C609
R617
COLD
非充電
TNPA2439
ORDER NO.
P3
①
94V-0


P8
P7
P6
P5
P3

6
5
4
3
2
1

A B C D E F G H I

TH-42PHD5/TH-42PHW5
P3-BOARD TNPA2439 P5-BOARD TNPA2440 P6-BOARD TNPA2441
P7-BOARD TNPA2442 P8-BOARD TNPA2443



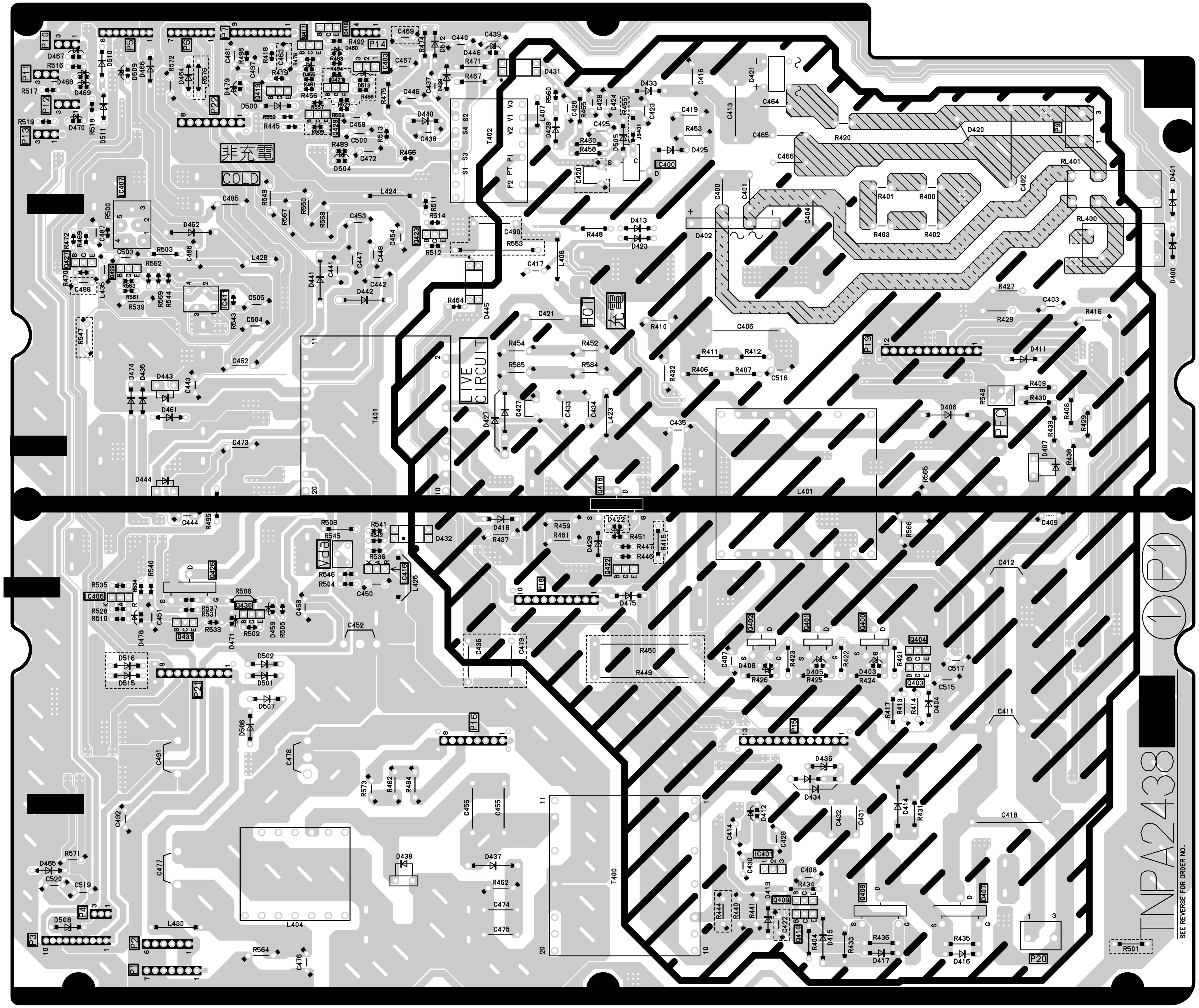
Parts Location

P1-BOARD (FOIL SIDE)			
IC		**TRANSISTOR**	
IC400	E-5	Q400	F-3
IC401	F-2	Q401	F-3
IC403	D-6	Q402	F-3
IC406	B-3	Q403	G-2
IC407	B-5	Q404	G-3
IC411	C-4	Q407	G-1
IC416	D-3	Q408	F-1
		Q409	F-1
		Q410	F-1
		Q416	E-3
		Q417	C-6
		Q418	C-6
		Q419	C-6
		Q421	C-6
		Q422	E-3
		Q423	D-5
		Q426	C-3
		Q427	B-5
		Q428	C-5
		Q429	B-5
		Q430	C-3
		Q431	C-3

Parts Location

P1-BOARD (COMPONENT SIDE)			
IC		**TRANSISTOR**	
IC400	E-5	Q400	D-3
IC403	F-6	Q401	D-3
IC406	G-3	Q402	D-3
IC407	G-5	Q403	C-3
IC411	G-5	Q404	C-3
IC416	F-3	Q407	C-1
		Q408	C-1
		Q416	E-3
		Q417	F-6
		Q418	F-6
		Q419	G-6
		Q421	F-6
		Q422	E-3
		Q423	F-5
		Q426	G-3
		Q427	H-5
		Q428	F-5
		Q429	G-5
		Q430	G-3
		Q431	G-3

P1-BOARD(FOIL SIDE)
TXN/P10LLS


6
5
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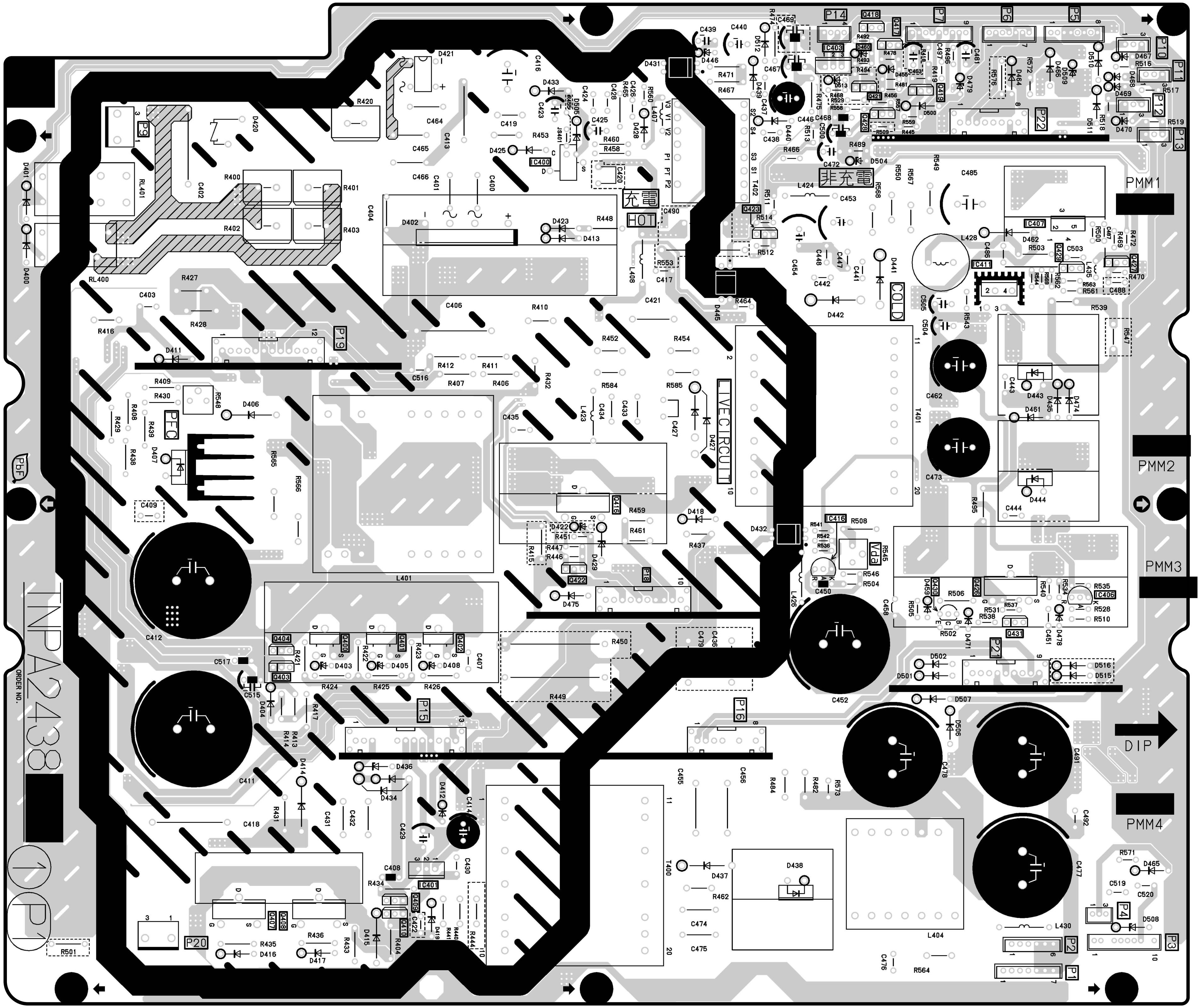
2
1
A
B
C
D
E
F
G
H
I
P10
P11
P12
P13
P5
P6
P7
P14
P22
非充電
COLD
HOT
LIVE CIRCUIT
T402
T401
T400
L401
L404
P19
P18
P16
P15
P21
P2
P3
P4
P1
P20
P9
PFC
RL401
RL400
R420
D420
R401
R400
R403
R402
D402
C400
C401
C402
C404
C406
C412
C411
C418
IC400
IC401
IC402
IC406
IC407
Q400
Q401
Q402
Q403
Q404
Q407
Q408
Q409
Q410
R450
R449
C436
C479
C452
C477
C478
C491
C492
D438
D437
D436
D434
D417
D416
R501
TNPA2438
(1)P1
SEE REVERSE FOR ORDER NO.

P1-BOARD(COMPONENT SIDE)
TXN/P10LLS


6
5
4
3
2
1
A
B
C
D
E
F
G
H
I
P1
P2
P3
P4
P5
P6
P7
P9
P10
P11
P12
P13
P14
P15
P16
P18
P19
P20
P21
P22
PMM1
PMM2
PMM3
PMM4
DIP
PFC
COLD
HOT
LIVE CIRCUIT
非充電
充電
TNPA2438
ORDER NO.
PbF
T400
T401
T402
L401
L404
L424
RL400
RL401
C411
C412
C452
C462
C473
C477
C478
C491

6

5

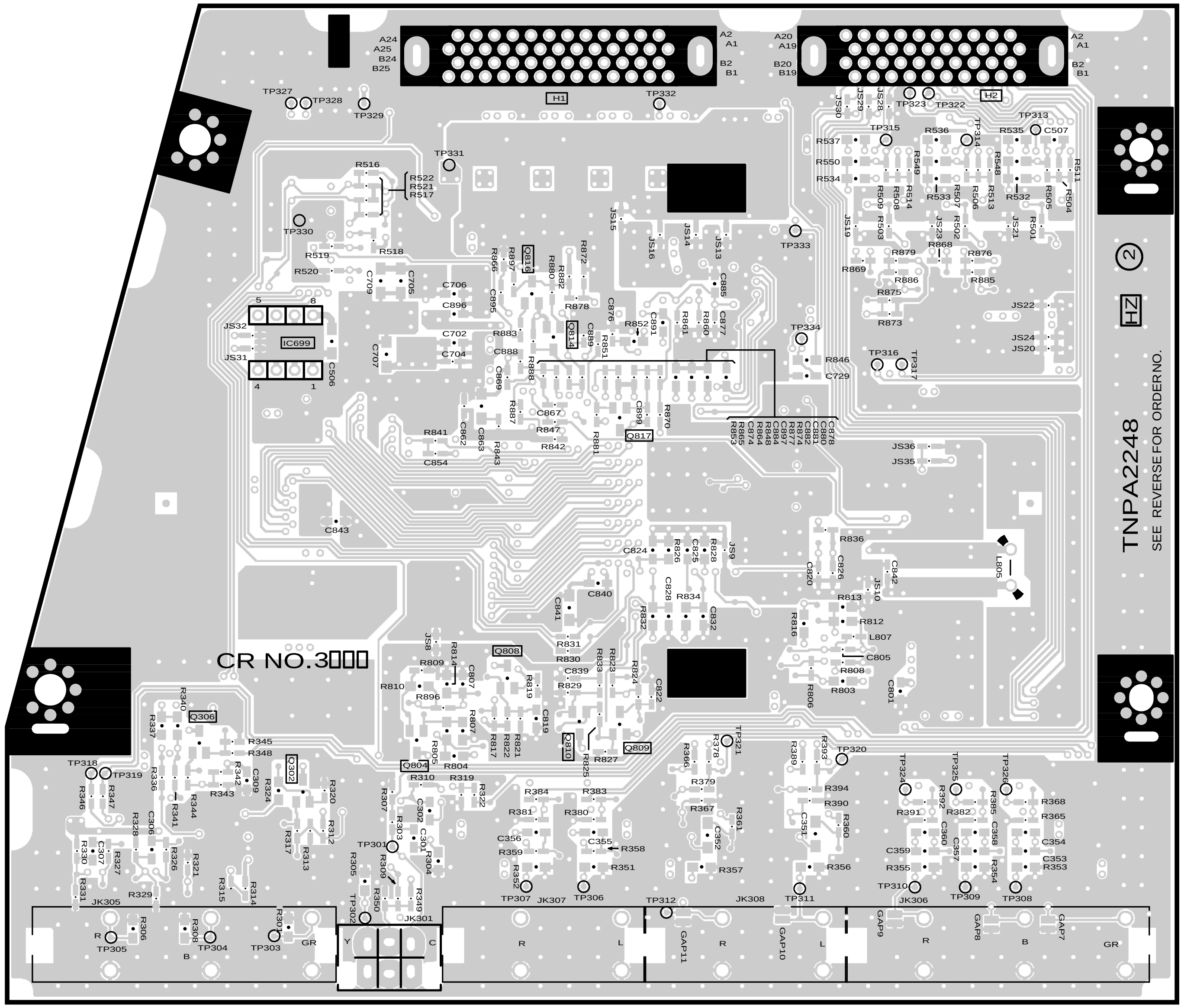
4

3

2

1

HZ-BOARD(FOIL SIDE)
TXNHZ40JJS


TNPA2248
SEE REVERSE FOR ORDER NO.
CR NO.3
HZ
②
IC699
H1
H2
JK301
JK305
JK306
JK307
JK308
GAP7
GAP8
GAP9
GAP10
GAP11
A24
A25
B24
B25
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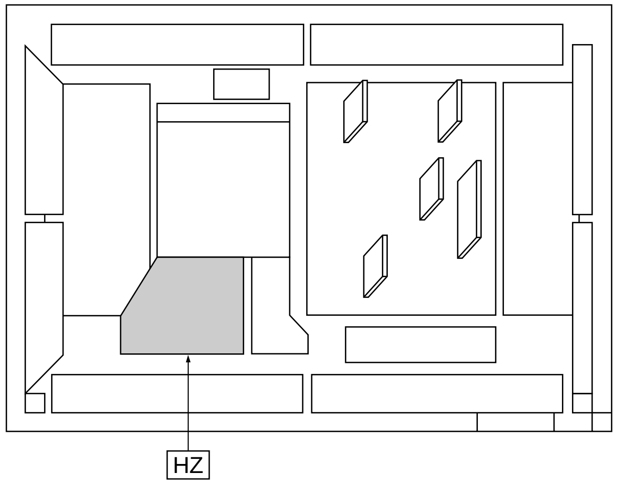
A1
B2
B1
A20
A19
B20
B19
Y
C
R
L
B
GR



Parts Location

HZ-BOARD (FOIL SIDE)			
IC		TRANSISTOR	
IC3699	B-4	Q3302	B-2
		Q3306	A-2
		Q3804	B-2
		Q3808	C-3
		Q3809	C-2
		Q3810	C-2
		Q3814	C-4
		Q3816	C-4
		Q3817	C-3

A B C D E F G H I

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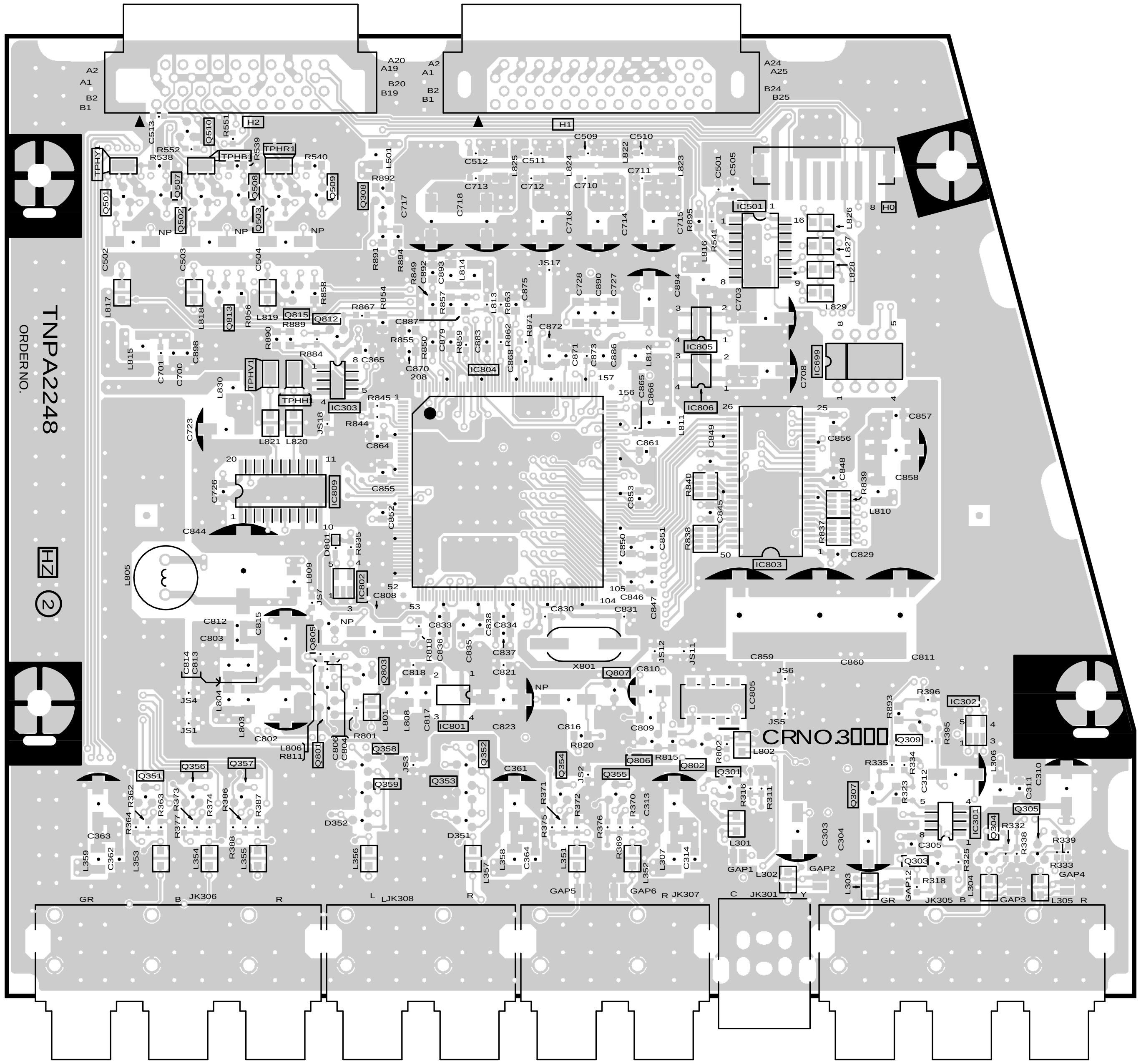
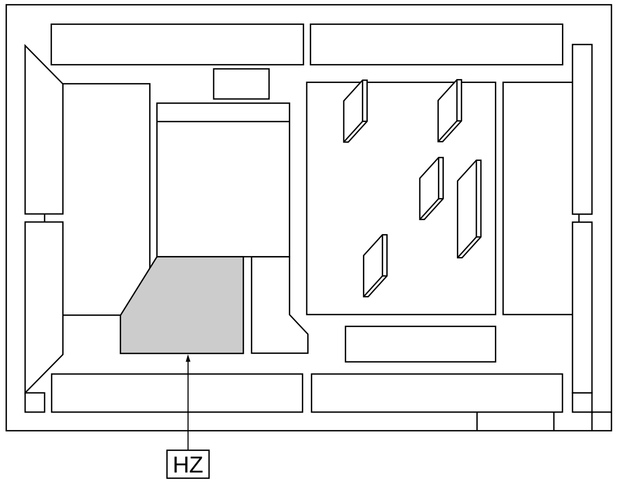
HZ-BOARD(COMPONENT SIDE)
TXNHZ40JJS


TNPA2248
ORDER NO.
HZ
2
CRNO3
IC801
IC803
IC804
IC805
IC806
IC809
IC501
IC699
IC301
IC302
IC303
TPHY1
TPHB1
TPHR1
TPHV1
TPHH1
JK306
JK308
JK307
JK301
JK305
GR
B
R
L
C
Y
GAP1
GAP2
GAP3
GAP4
GAP5
GAP6
X801
H1
H2
H0

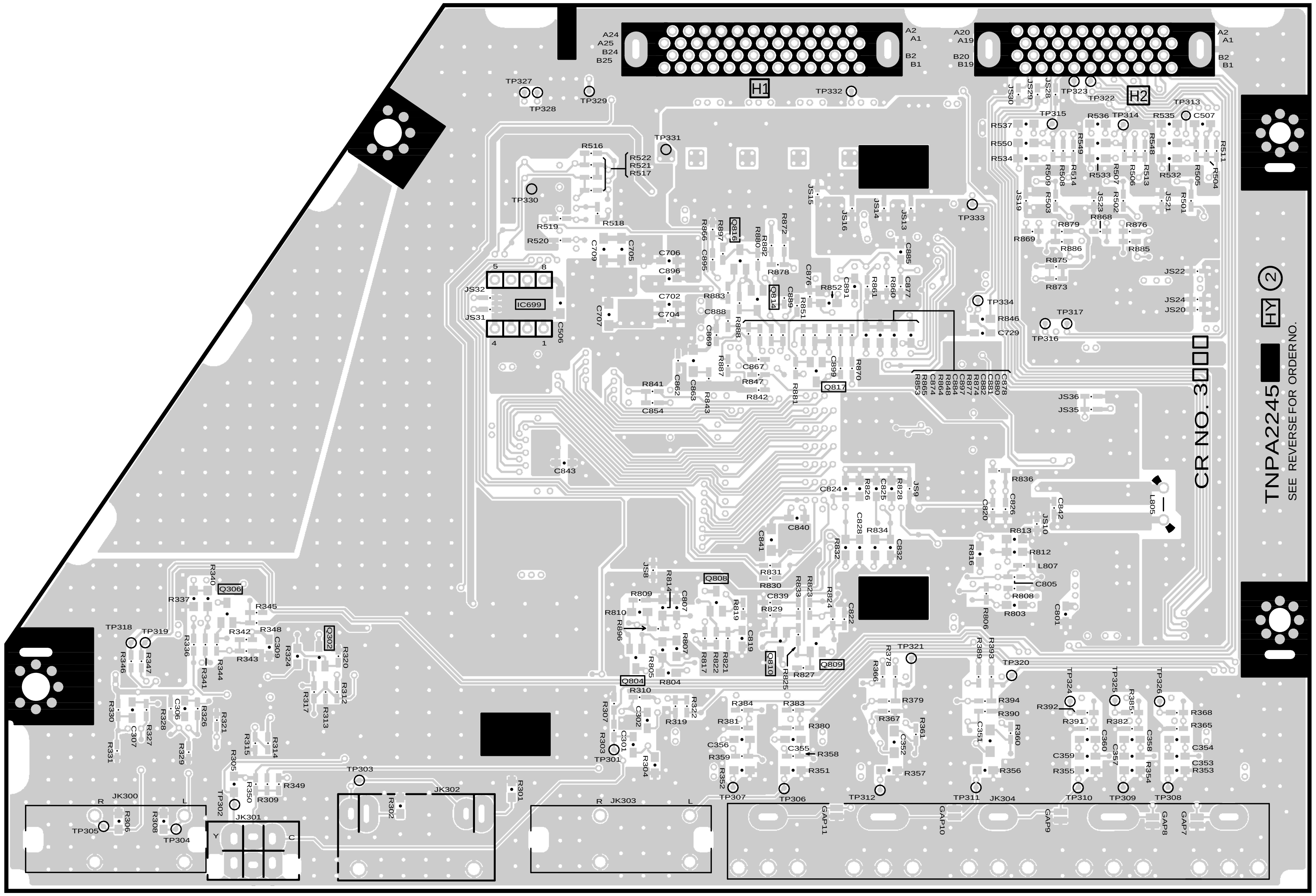


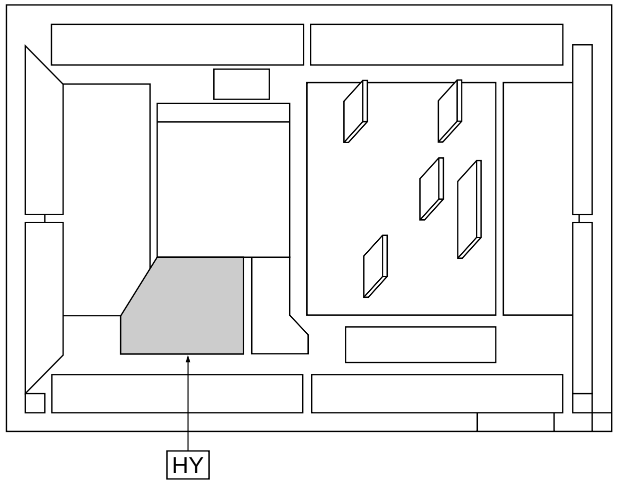
Parts Location

HZ-BOARD (COMPONENT SIDE)					
IC		**TRANSISTOR**		Q3507	A-4
IC3301	E-2	Q3301	D-2	Q3508	B-4
IC3301	E-2	Q3303	D-2	Q3509	B-4
IC3302	D-2	Q3304	E-2	Q3510	B-5
IC3303	B-4	Q3305	E-2	Q3801	B-2
IC3501	D-4	Q3307	D-2	Q3802	C-2
IC3699	D-4	Q3308	B-4	Q3803	B-2
IC3801	B-2	Q3309	D-2	Q3805	B-3
IC3802	B-3	Q3351	A-2	Q3806	C-2
IC3803	D-3	Q3352	C-2	Q3807	C-2
IC3804	C-4	Q3353	B-2	Q3812	B-4
IC3805	C-4	Q3354	C-2	Q3813	B-4
IC3806	C-4	Q3355	C-2	Q3815	B-4
IC3809	B-3	Q3356	A-2	**TP**	
		Q3357	B-2		
		Q3358	B-2	TPHB1	B-5
		Q3359	B-2	TPHH1	B-4
		Q3501	A-4	TPHR1	B-5
		Q3502	A-4	TPHV1	B-4
		Q3503	B-4	TPHY1	A-4

A B C D E F G H I

HY-BOARD(FOIL SIDE)
TXNHY30JHS

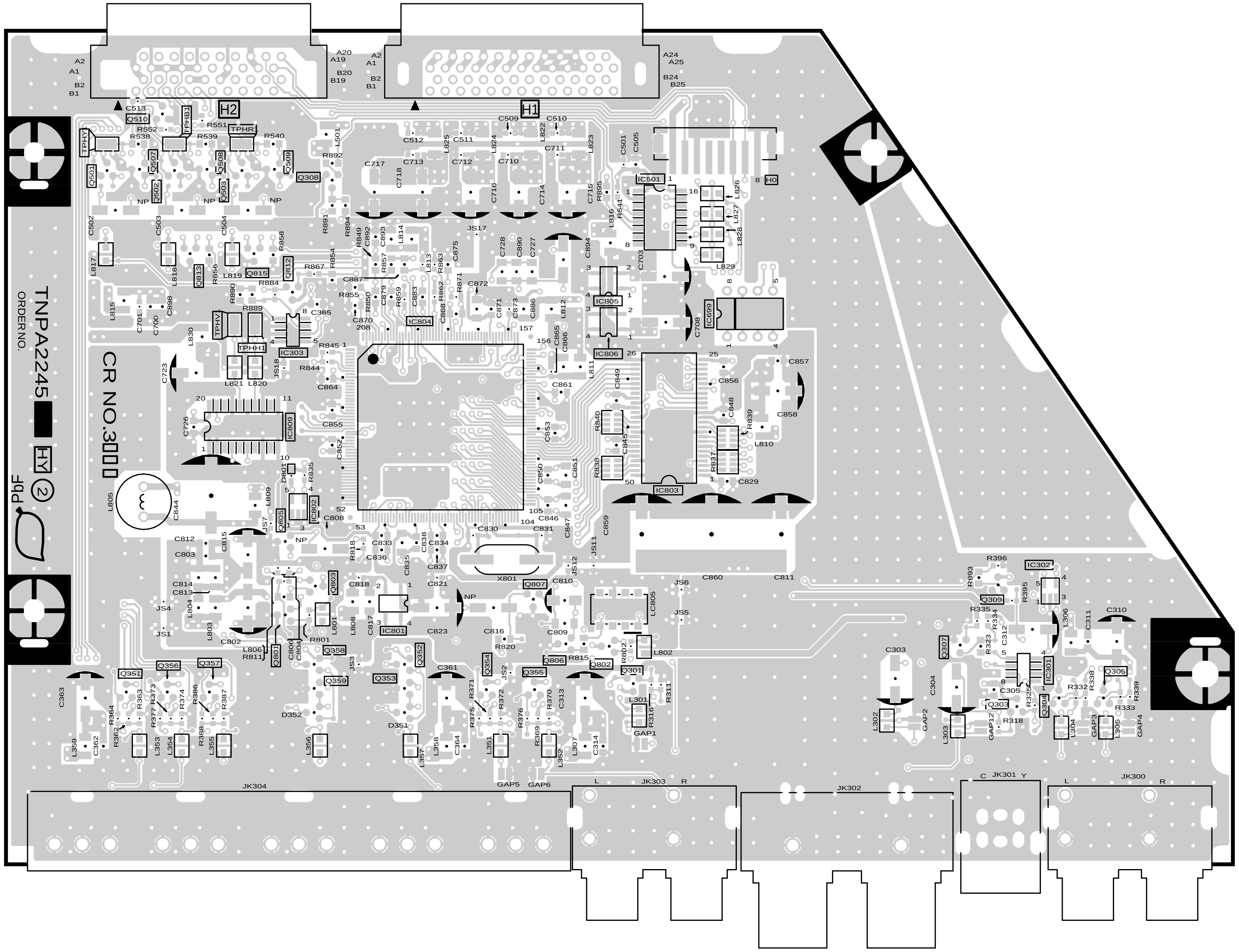

H1
H2
TP332
TP333
IC699
CR NO. 3
TNPA2245
SEE REVERSE FOR ORDER NO.
HY ②
JK300
JK301
JK302
JK303
JK304

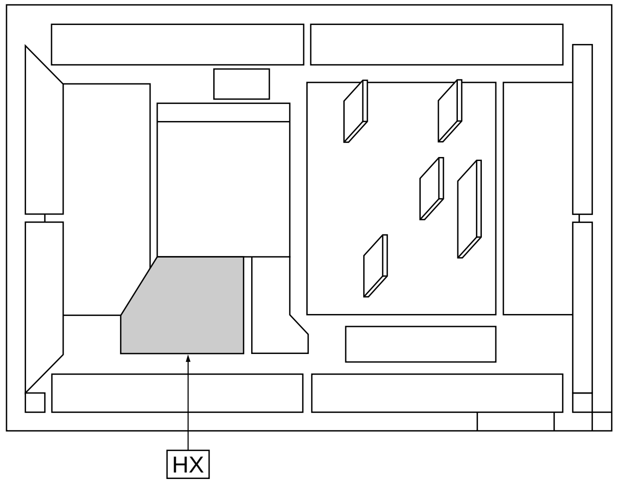


Parts Location

HY-BOARD (FOIL SIDE)			
IC		TRANSISTOR	
IC3699	C-4	Q3302	B-2
		Q3306	B-2
		Q3804	C-2
		Q3808	D-2
		Q3809	D-2
		Q3810	D-2
		Q3814	D-4
		Q3816	D-4
		Q3817	D-3

HY-BOARD(COMPONENT SIDE)
TXNHY30JHS


H1
H2
TPHY
TPHB
TPHR
TPHV
TPHH
IC501
IC303
IC804
IC805
IC806
IC699
IC809
IC803
IC802
IC801
IC302
Q510
Q308
X801
TNPA2245
ORDER NO.
CR NO.3
HY
②
PbF
JK304
JK303
JK302
JK301
JK300
GAP1
GAP2
GAP3
GAP4
GAP5
GAP6
A1
A2
B1
B2
A19
A20
B19
B20
A24
A25
B24
B25
L
R
C
Y



Parts Location

HY-BOARD (COMPONENT SIDE)

IC	
IC3301	E-2
IC3302	E-3
IC3303	B-4
IC3501	D-4
IC3699	D-4
IC3801	B-2
IC3802	B-3
IC3803	D-2
IC3804	C-4
IC3805	C-4
IC3806	C-4
IC3809	B-3

TRANSISTOR			
Q3301	D-1	Q3507	A-4
Q3303	E-2	Q3508	B-4
Q3304	E-2	Q3509	B-4
Q3305	F-2	Q3510	A-5
Q3307	E-2	Q3801	B-2
Q3308	B-4	Q3802	C-2
Q3309	E-2	Q3803	B-2
Q3351	A-2	Q3805	B-3
Q3352	C-2	Q3806	C-2
Q3353	B-2	Q3807	C-2
Q3354	C-2	Q3812	B-4
Q3355	C-2	Q3813	B-4
Q3356	A-2	Q3815	B-4
Q3357	B-2		
Q3358	B-2		
Q3369	B-2		
Q3501	A-4		
Q3502	A-4		
Q3503	B-4		

TP	
TPHB	B-5
TPHH	B-4
TPHR	B-5
TPHV	B-4
TPHY	A-4

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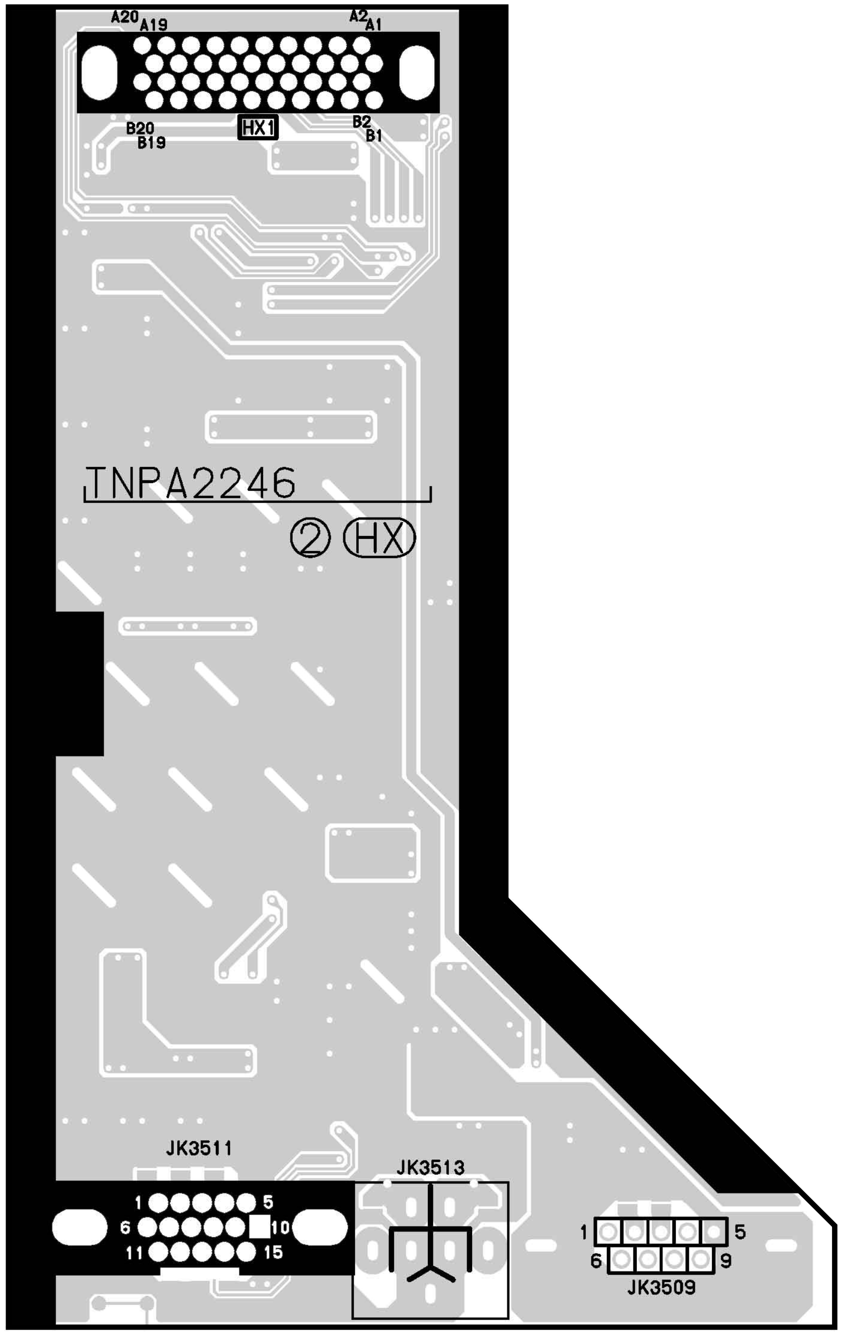
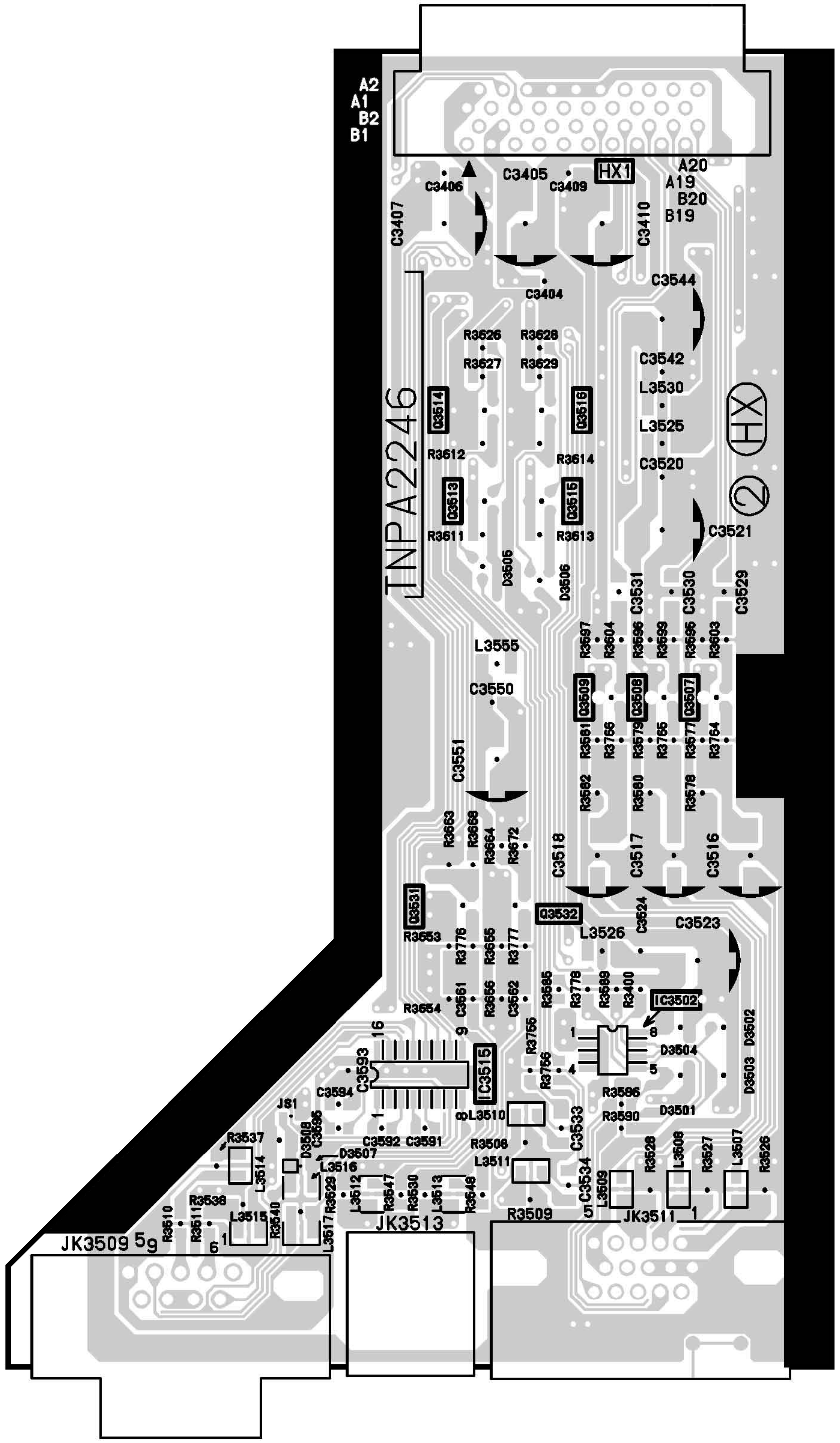
A B C D E F G H I

HX-BOARD(FOIL SIDE)
TZTNP01LLSU


A20
A19
A2
A1
B20
B19
B2
B1
HX1
TNPA2246
② HX
JK3511
1
5
6
10
11
15
JK3513
JK3509
1
5
6
9

HX-BOARD(COMPONENT SIDE)
TZTNP01LLSU


A2
A1
B2
B1
HX1
A20
A19
B20
B19
C3405
C3406
C3407
C3409
C3410
C3404
C3544
C3542
L3530
L3525
C3520
C3521
C3529
C3530
C3531
R3626
R3627
R3628
R3629
Q3514
Q3516
R3612
R3614
Q3513
Q3515
R3611
R3613
D3505
D3506
TNPA2246
② HX
L3555
C3550
C3551
Q3509
Q3508
Q3507
C3518
C3517
C3516
Q3531
Q3532
R3653
L3526
C3524
C3523
IC3502
IC3515
D3504
D3502
D3503
D3501
R3654
R3586
R3590
C3593
C3594
C3592
C3591
D3507
L3510
L3511
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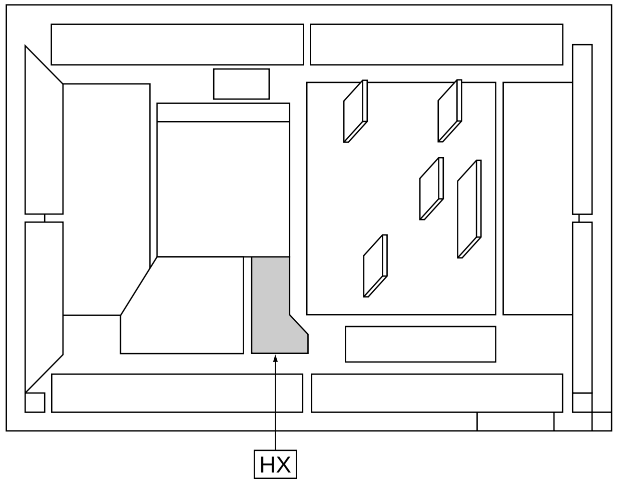
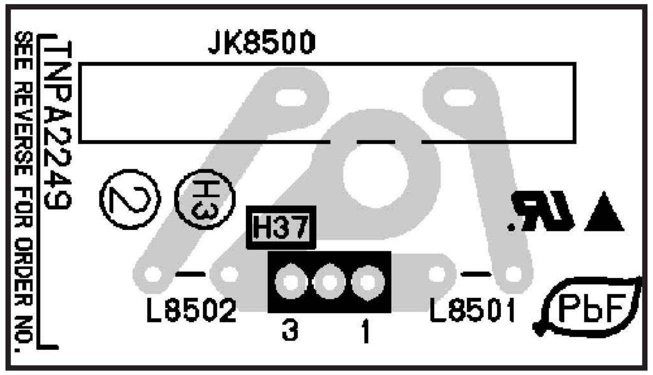
L3516
JK3509
JK3513
JK3511



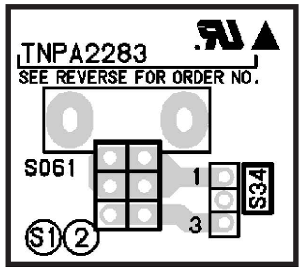
Parts Location

HX-BOARD			
IC		TRANSISTOR	
IC3502	F-2	Q3507	F-3
IC3515	E-2	Q3508	F-3
		Q3509	F-3
		Q3513	E-4
		Q3514	E-4
		Q3515	F-4
		Q3516	F-4
		Q3531	E-3
		Q3532	F-3

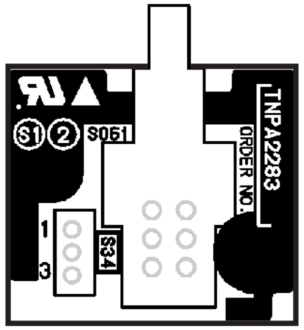
H3-BOARD
TNPA2249

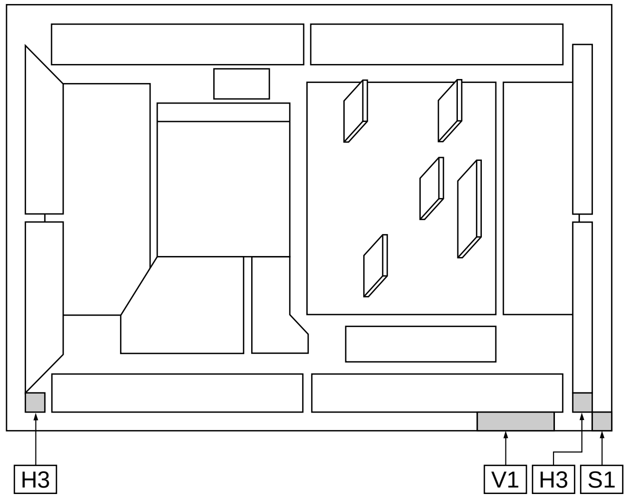

JK8500
TNPA2249
SEE REVERSE FOR ORDER NO.
②
H3
H37
L8502
3
1
L8501
PbF

S1-BOARD(FOIL SIDE)
TNPA2283AC

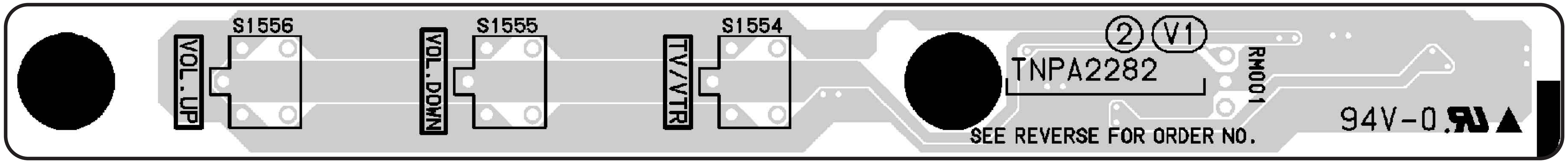

TNPA2283
SEE REVERSE FOR ORDER NO.
S061
1
3
S34
S1
②

S1-BOARD(COMPONENT SIDE)
TNPA2283AC

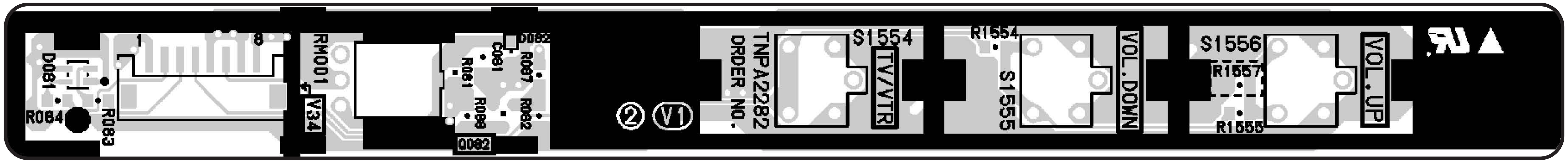

S1
②
S061
TNPA2283
ORDER NO.
1
3
S34

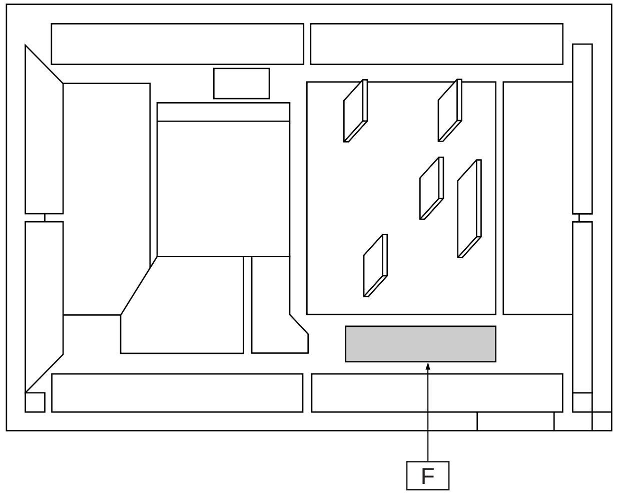


V1-BOARD(FOIL SIDE)
TNPA2282AC

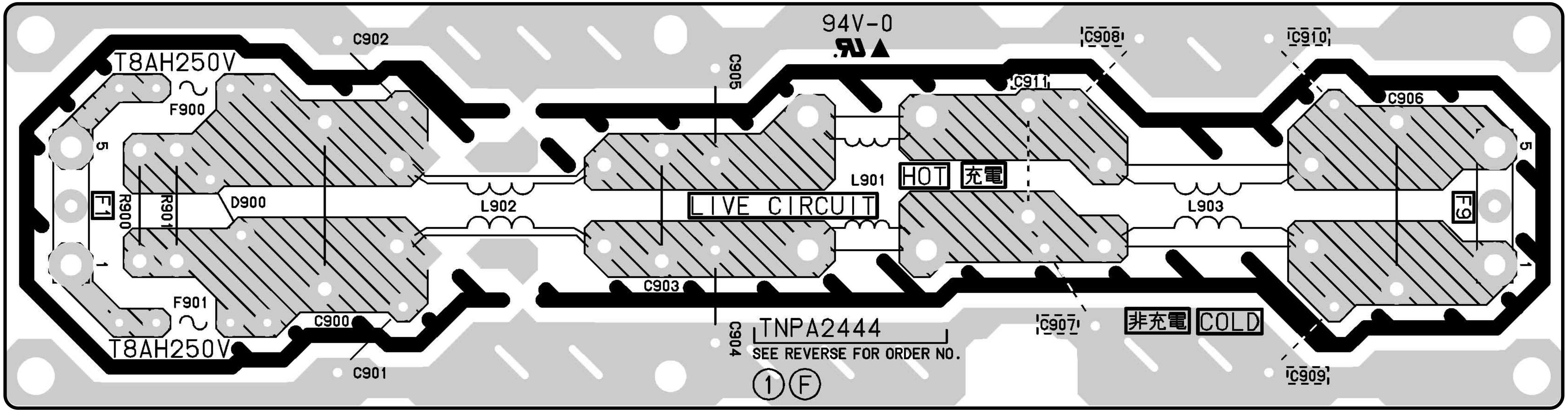

VOL.UP
S1556
VOL.DOWN
S1555
TV/VTR
S1554
② V1
TNPA2282
RM001
94V-0
SEE REVERSE FOR ORDER NO.

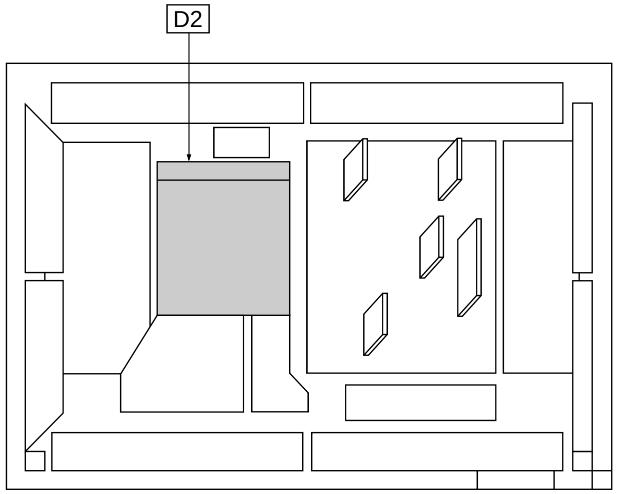
V1-BOARD(COMPONENT SIDE)
TNPA2282AC


D081
R084
R083
1
8
RM001
V34
C061
R081
R089
R087
R082
D082
Q082
② V1
TNPA2282
ORDER NO.
S1554
TV/VTR
R1554
S1555
VOL.DOWN
S1556
R1557
R1555
VOL.UP



F-BOARD
TNPA2444


94V-0
T8AH250V
F900
C902
C905
C908
C910
C911
C906
5
F1
R900
R901
D900
L902
L901
HOT
充電
LIVE CIRCUIT
L903
F9
1
F901
C900
C903
C904
TNPA2444
SEE REVERSE FOR ORDER NO.
①Ⓕ
C901
T8AH250V
C907
非充電
COLD
C909



Parts Location

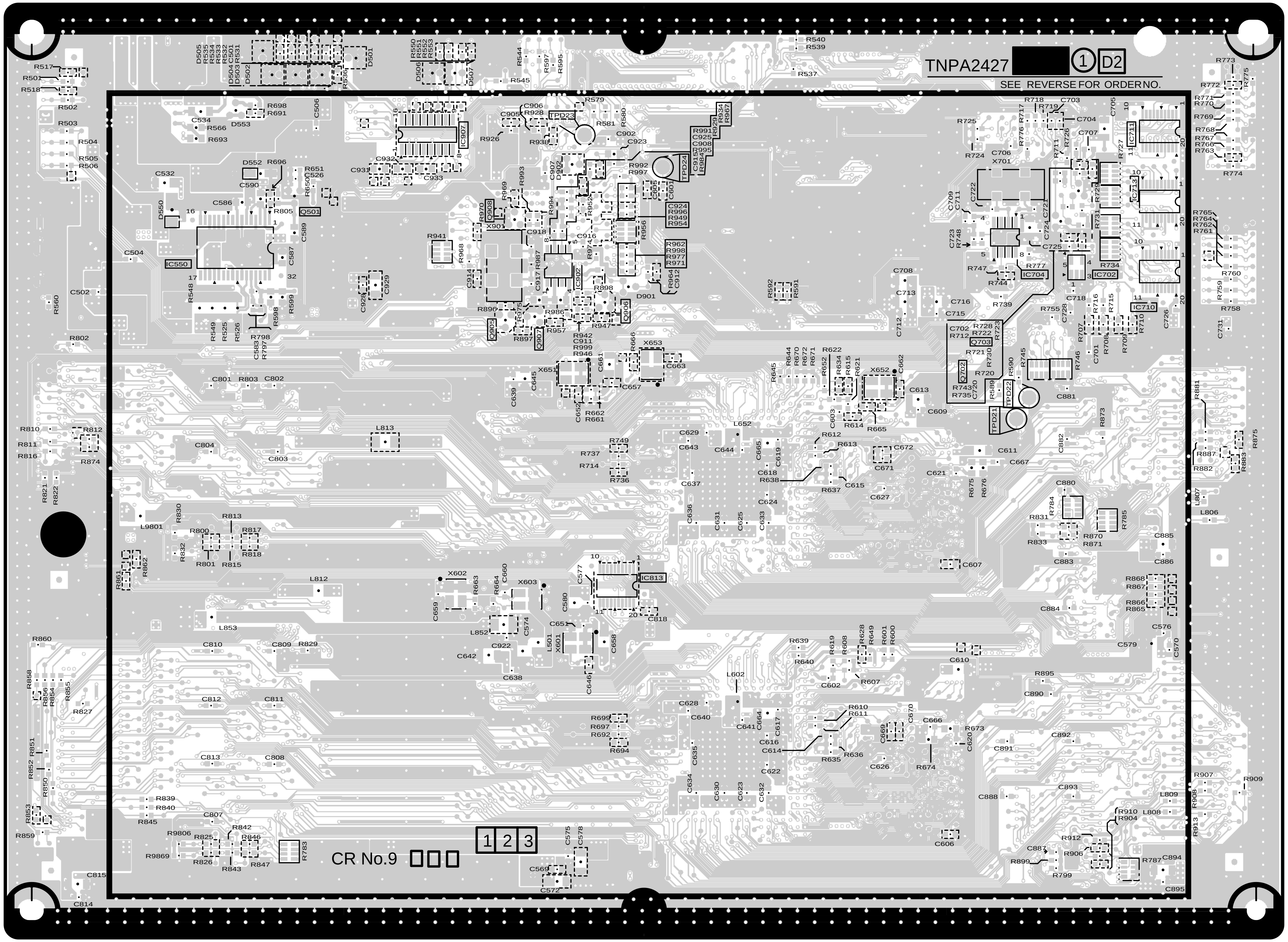
D2-BOARD (FOIL SIDE)					
IC		**TRANSISTOR**		**TP**	
IC9550	B-4	Q9501	B-5	TPD21	F-3
IC9702	G-4	Q9702	F-4	TPD22	F-4
IC9704	F-4	Q9703	F-4	TPD23	D-5
IC9710	G-4	Q9905	C-4	TPD24	D-5
IC9711	G-5	Q9906	D-4		
IC9713	G-5	Q9907	D-4		
IC9813	D-3	Q9908	C-5		
IC9902	D-4				
IC9907	C-5				

Parts Location

D2-BOARD (COMPONENT SIDE)					
IC		IC9806	F-1	**TRANSISTOR**	
		IC9807	F-2		
IC9551	G-5	IC9808	F-2	Q9801	F-2
IC9601	D-2	IC9809	F-2	Q9901	F-4
IC9602	C-1	IC9810	F-2	Q9902	F-4
IC9603	E-2	IC9811	F-2	Q9903	E-4
IC9604	D-2	IC9812	F-2	Q9904	E-5
IC9611	A-2	IC9821	B-3		
IC9612	E-3	IC9822	B-4		
IC9651	D-4	IC9823	B-3		
IC9652	B-3	IC9824	B-3		
IC9653	E-3	IC9825	B-2		
IC9654	E-4	IC9826	B-1		
IC9700	B-4	IC9827	B-1		
IC9701	B-4	IC9828	B-2		
IC9703	C-4	IC9829	B-2		
IC9712	B-4	IC9830	B-2		
IC9801	F-3	IC9831	B-2		
IC9802	F-4	IC9832	B-1		
IC9803	F-4	IC9900	E-4		
IC9804	F-3	IC9904	E-4		
IC9805	F-3	IC9905	E-4		

D2-BOARD (FOIL SIDE)

TNPA2427


TNPA2427
①
D2
SEE REVERSE FOR ORDER NO.
CR No.9
1 2 3
IC550
IC813
IC702
IC704
IC710
IC711
IC713
Q501
Q703
Q702
Q905
Q906
Q907
Q908
TPD21
TPD22
TPD23
TPD24
X601
X602
X603
X652
X653
X701
X901
L501
L602
L652
L806
L807
L808
L809
L812
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D502
D503
D504
D505
D506
D507
D550
D552
D553
D901
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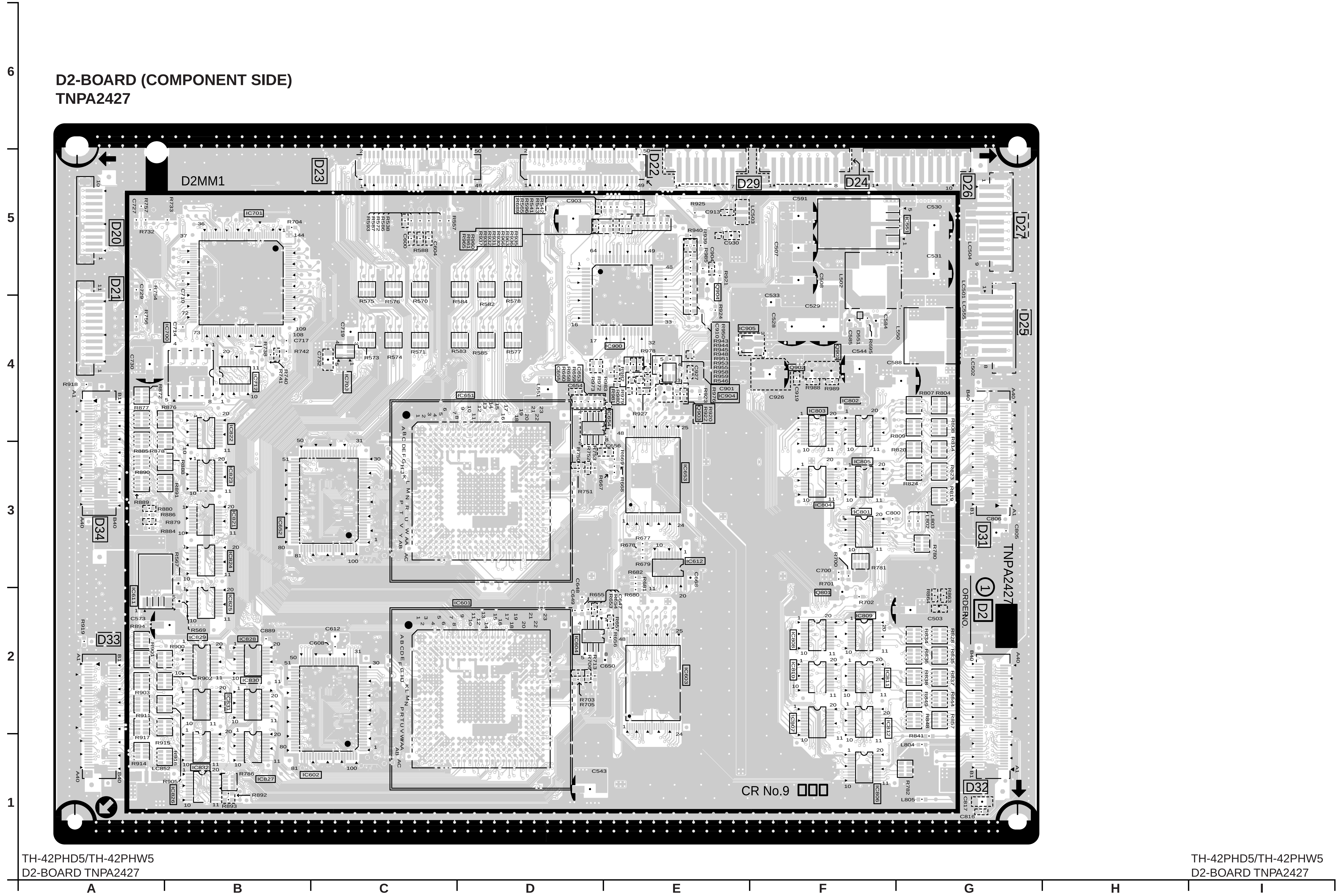
D2-BOARD (COMPONENT SIDE)
TNPA2427



6
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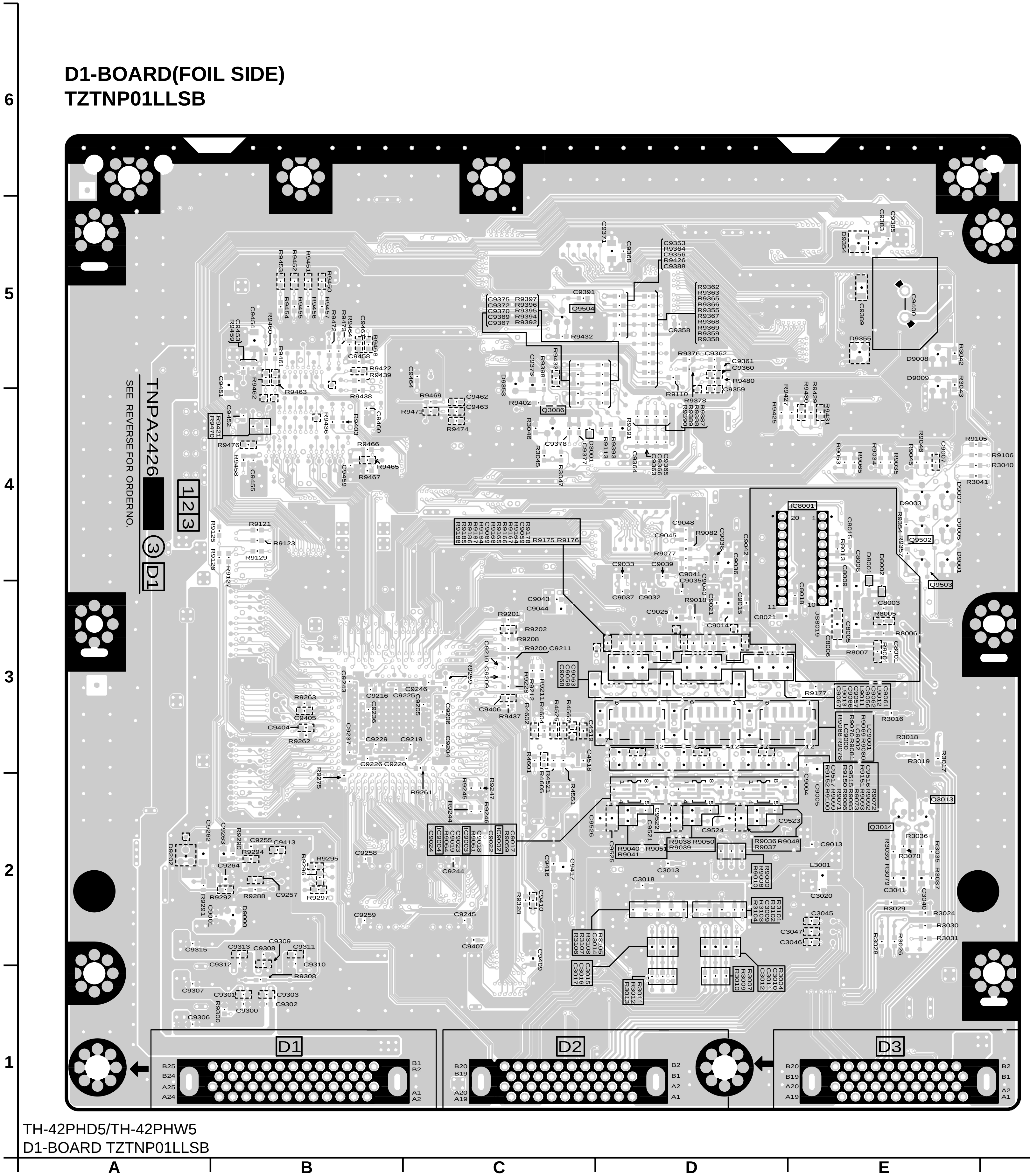
4
3
2
1
A
B
C
D
E
F
G
H
I
D2MM1
D20
D21
D22
D23
D24
D25
D26
D27
D29
D31
D32
D33
D34
TNPA2427
① D2
ORDERNO.
CR No.9
IC601
IC602
IC603
IC651
IC652
IC653
IC700
IC701
IC900
IC904
IC905

D1-BOARD(FOIL SIDE)
TZTNP01LLSB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4
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2
1
A
B
C
D
E
F
G
H
I
TNPA2426
SEE REVERSE FOR ORDERNO.
1 2 3
3 D1
IC8001
Q9504
Q3086
Q9502
Q9503
Q3013
Q3014
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D2
D3
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B24
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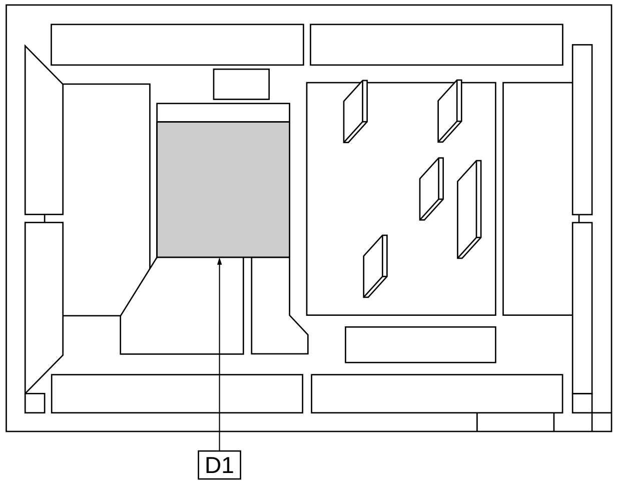
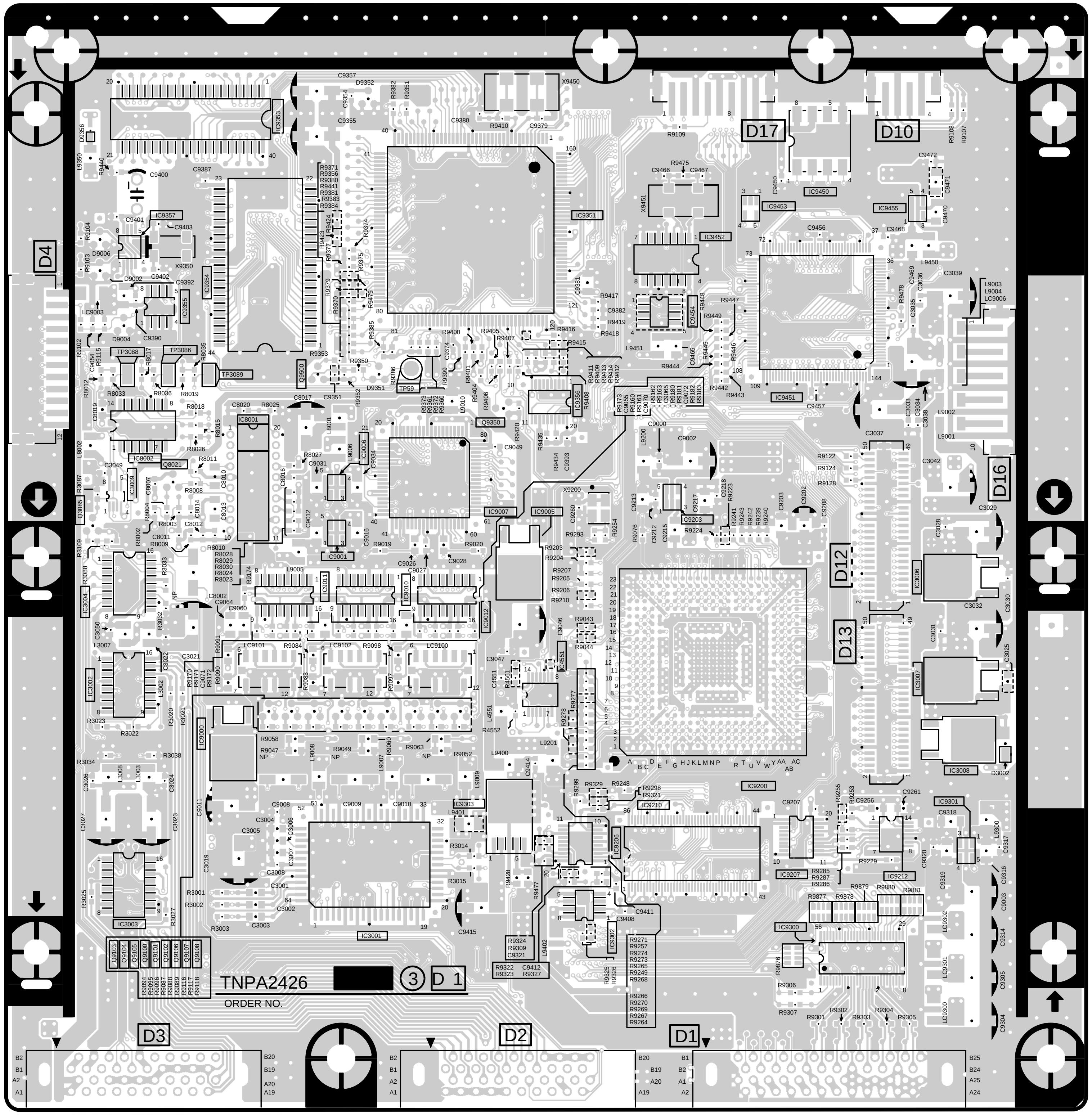
B1
B2
A1
A2
B20
B19
A20
A19

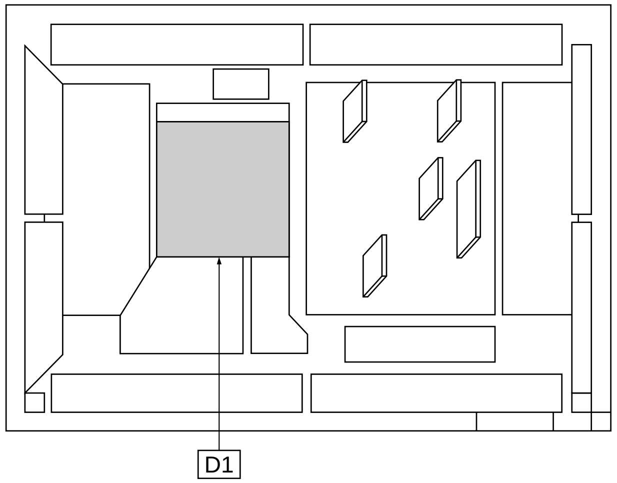


Parts Location

D1-BOARD (FOIL SIDE)			
IC		TRANSISTOR	
IC8001	E-4	Q3013	E-2
IC9002	C-2	Q3014	E-2
IC9003	C-2	Q3086	C-4
IC9004	C-2	Q9502	E-4
		Q9503	E-4
		Q9504	C-5

D1-BOARD(COMPONENT SIDE)
TZTNP01LLSB





Parts Location

D1-BOARD (COMPONENT SIDE)			
IC		IC9354	B-5
IC3001	B-2	IC9355	B-4
IC3002	A-3	IC9356	C-4
IC3003	A-2	IC9357	A-5
IC3004	A-3	IC9450	D-5
IC3006	E-3	IC9451	D-4
IC3007	E-3	IC9452	D-5
IC3008	E-2	IC9453	D-5
IC3009	A-4	IC9454	D-4
IC4551	C-3	IC9455	E-5
IC8001	B-4	**TRANSISTOR**	
IC8002	A-4		
IC9000	B-2	Q3085	A-4
IC9001	B-3	Q8021	A-4
IC9005	C-3	Q9100	A-1
IC9006	B-4	Q9101	A-1
IC9007	C-4	Q9103	A-1
IC9010	C-3	Q9104	A-1
IC9011	B-3	Q9105	A-1
IC9012	C-3	Q9106	A-1
IC9200	D-2	Q9107	B-1
IC9203	D-3	Q9108	B-1
IC9206	D-2	Q9350	C-4
IC9207	D-2	Q9500	B-4
IC9210	D-2	**TP**	
IC9212	E-2		
IC9300	D-2	TP3086	A-4
IC9301	E-2	TP3088	A-4
IC9302	C-2	TP3089	B-4
IC9303	D-2	TP59	C-4
IC9351	C-5		
IC9353	B-5		

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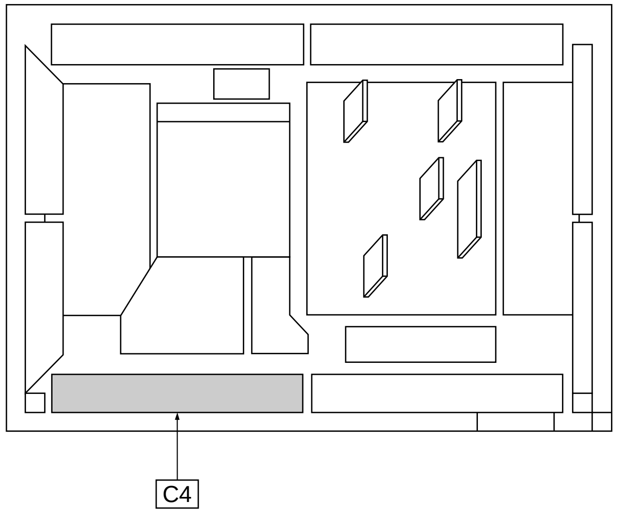
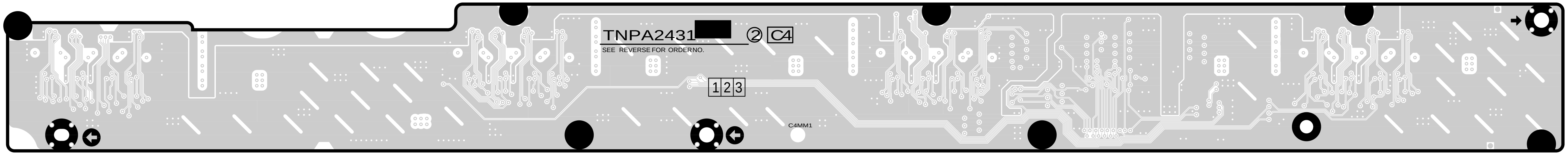
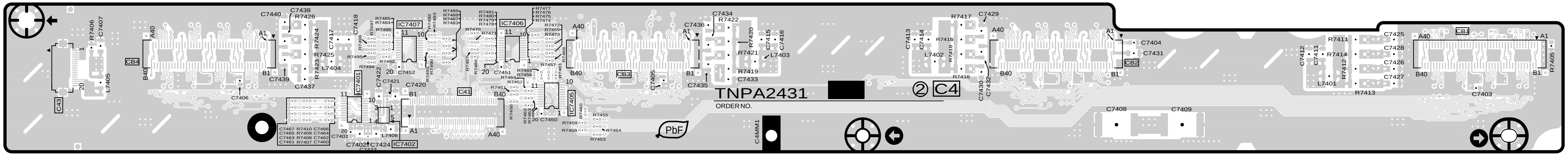
A B C D E F G H I



C4-BOARD(FOIL SIDE)
TNPA2431


TNPA2431
SEE REVERSE FOR ORDER NO.
② C4
1 2 3
C4MM1

C4-BOARD(COMPONENT SIDE)
TNPA2431


TNPA2431
ORDER NO.
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PbF
C4MM1
CB4
C43
CB3
CB2
CB1
C41
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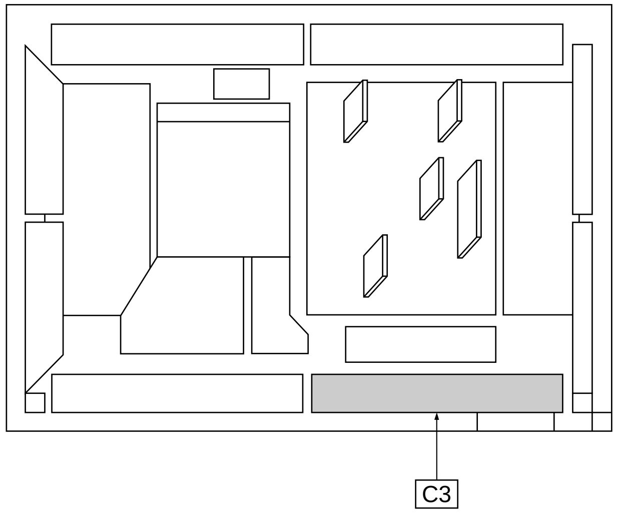
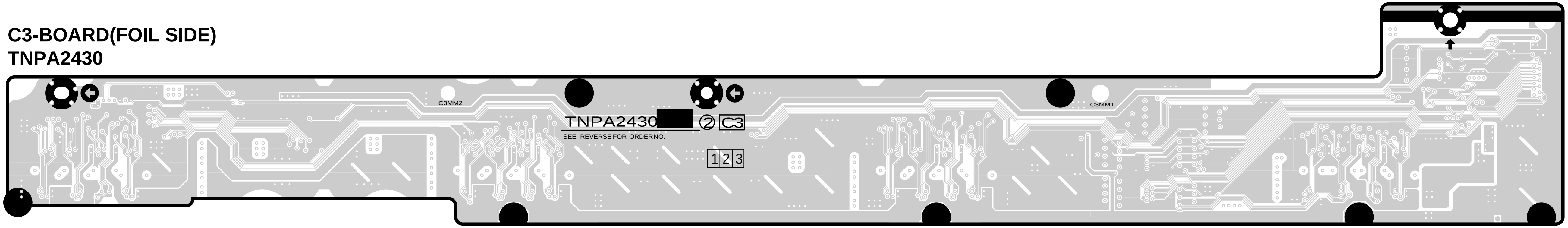
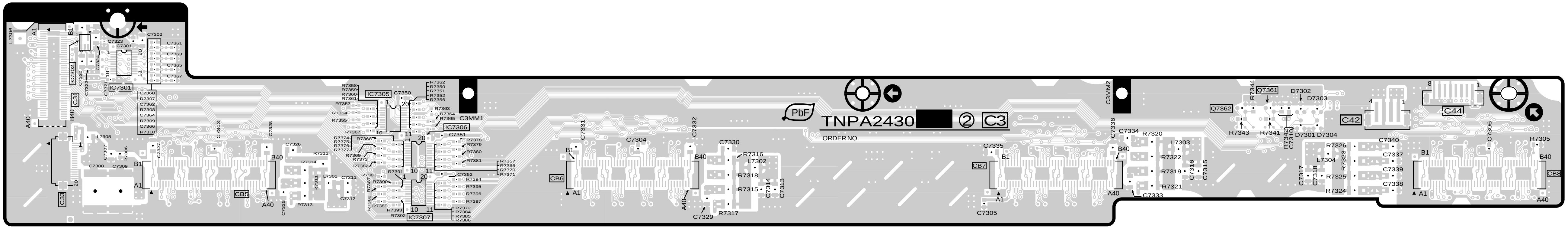
IC7402
IC7405
IC7406
IC7407
C7440
C7438
R7426
R7424
R7425
R7423
C7417
C7418
C7439
C7437
L7404
C7406
R7406
C7407
L7405
C7434
C7436
R7422
R7420
C7415
C7416
R7421
L7403
R7419
C7433
C7435
C7405
R7417
C7429
C7413
C7414
R7415
R7418
L7402
R7416
C7430
C7432
C7404
C7431
C7408
C7409
R7411
C7425
C7428
R7414
C7426
C7412
C7411
R7412
C7427
L7401
R7413
C7403
R7405
C7420
C7421
C7422
C7452
C7451
C7450
C7401
C7402
C7424
C7423
L7406
A1
A40
B1
B40



C3-BOARD(FOIL SIDE)
TNPA2430


C3MM2
C3MM1
TNPA2430
② C3
SEE REVERSE FOR ORDER NO.
1 2 3

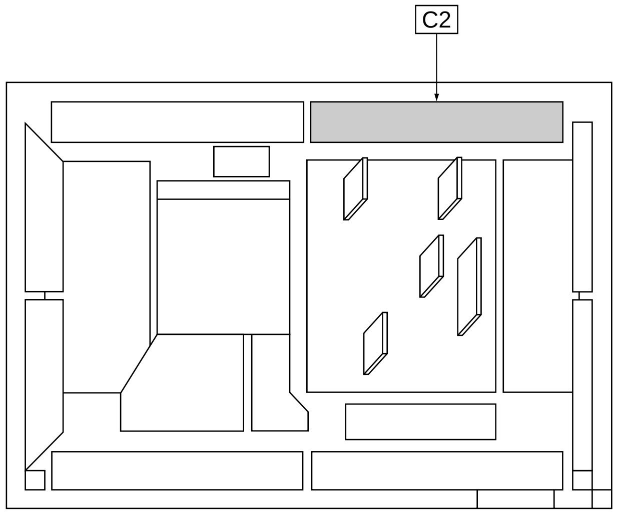
C3-BOARD(COMPONENT SIDE)
TNPA2430


IC7301
IC7302
C7301
C7302
C7323
C7361
C7363
C7365
C7367
R7307
R7308
R7309
R7310
C7360
C7362
C7364
C7366
L7305
L7306
C3
B1
A1
A40
B40
CB5
C7303
C7326
C7328
C7308
C7309
C7325
C7327
C7311
C7312
R7311
R7312
R7313
R7314
L7301
IC7305
IC7306
IC7307
C7350
C7351
C7352
C3MM1
R7350
R7351
R7352
R7353
R7354
R7355
R7356
R7357
R7358
R7359
R7360
R7361
R7362
R7363
R7364
R7365
R7366
R7367
R7368
R7369
R7370
R7371
R7372
R7373
R7374
R7375
R7376
R7377
R7378
R7379
R7380
R7381
R7382
R7383
R7384
R7385
R7386
R7387
R7388
R7389
R7390
R7391
R7392
R7393
R7394
R7395
R7396
R7397
CB6
C7304
C7331
C7332
C7330
C7329
C7313
C7314
R7315
R7316
R7317
R7318
L7302
PbF
TNPA2430
② C3
ORDER NO.
C3MM2
CB7
C7305
C7333
C7334
C7335
C7336
C7315
C7316
R7319
R7320
R7321
R7322
L7303
Q7361
Q7362
R7341
R7342
R7343
R7344
C7310
D7301
D7302
D7303
D7304
C42
C44
C7306
C7317
C7318
C7337
C7338
C7339
C7340
R7305
R7323
R7324
R7325
R7326
L7304
CB8

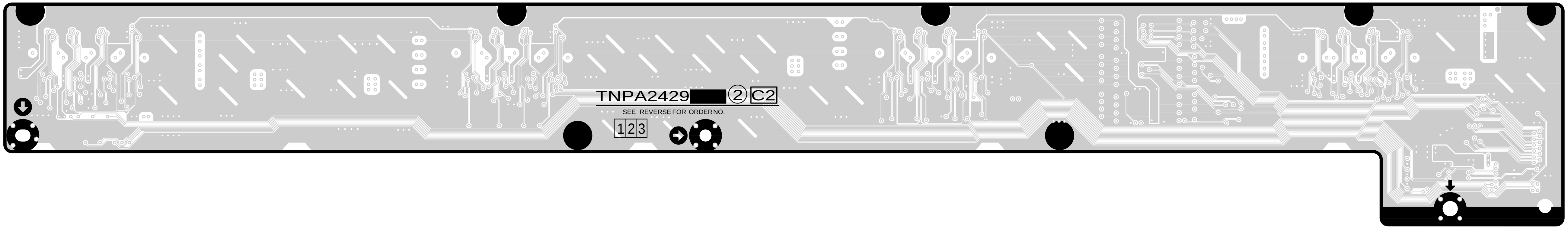
TH-42PHD5/TH-42PHW5
C3-BOARD TNPA2430

6
5
4
3
2
1

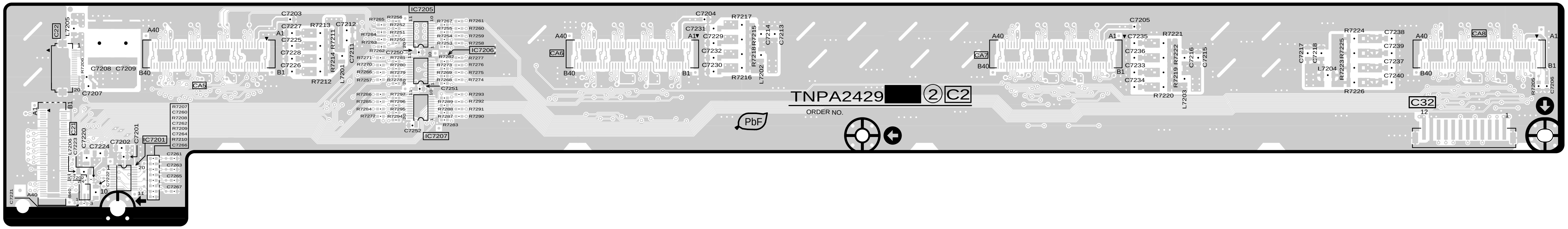
A B C D E F G H I

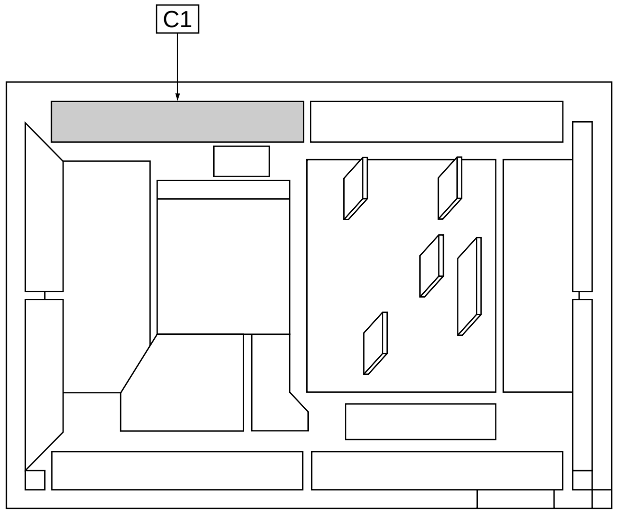


C2-BOARD(FOIL SIDE)
TNPA2429

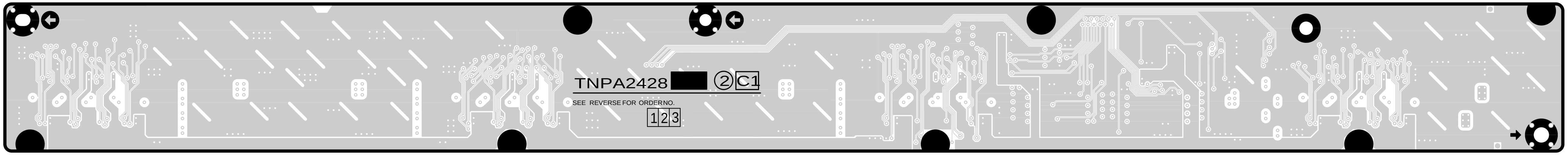

TNPA2429
②
C2
SEE REVERSE FOR ORDER NO.
1 2 3

C2-BOARD(COMPONENT SIDE)
TNPA2429

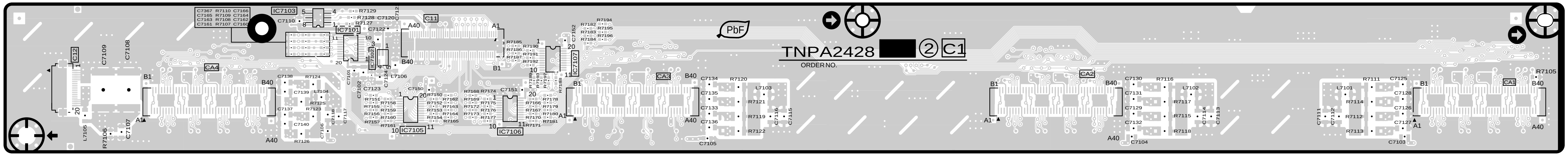

TNPA2429
②
C2
ORDER NO.
PbF
C22
C21
L7205
C7208
C7209
C7207
A40
B40
A1
B1
CA5
C7203
C7227
C7225
C7228
C7226
R7213
R7211
R7214
R7212
C7212
L7201
C7211
IC7205
IC7206
IC7207
IC7201
C7250
C7251
C7252
C7202
C7224
C7220
C7201
CA6
C7204
C7231
C7229
C7232
C7230
R7217
R7215
R7218
R7216
C7214
C7213
L7202
CA7
C7205
C7235
C7236
C7233
C7234
R7221
R7222
R7219
R7220
C7216
C7215
L7203
C7217
C7218
L7204
R7224
R7225
R7223
R7226
C7238
C7239
C7237
C7240
CA8
C32
R7205
C7206
C7221
12
1

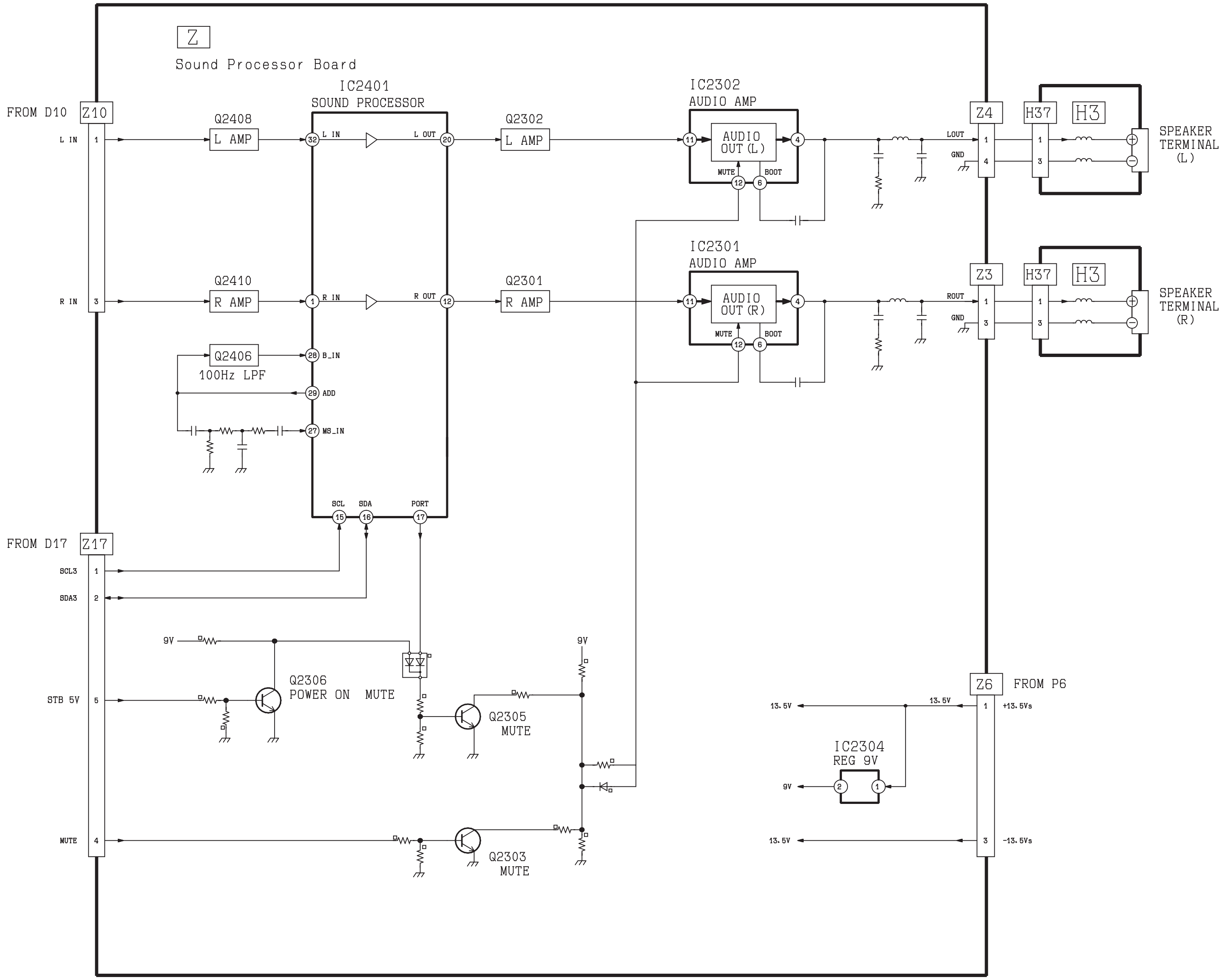


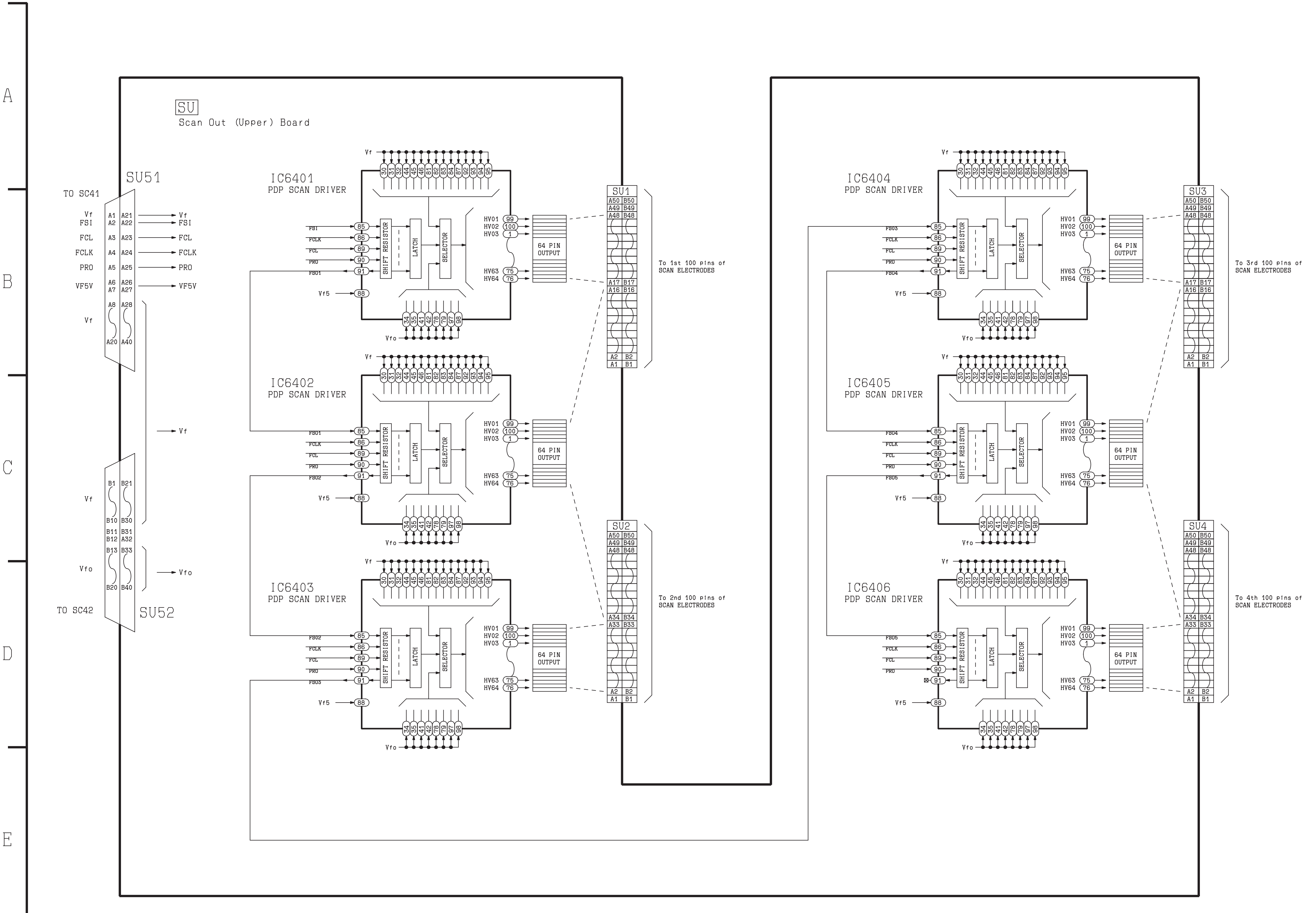
C1-BOARD(FOIL SIDE)
TNPA2428


TNPA2428
② C1
SEE REVERSE FOR ORDER NO.
1 2 3

C1-BOARD(COMPONENT SIDE)
TNPA2428


TNPA2428
② C1
ORDER NO.
PbF
IC7103
IC7101
IC7105
IC7106
IC7107
C11
C12
CA1
CA2
CA3
CA4
B1
B40
A1
A40
L7101
L7102
L7103
L7104
L7105
L7106
R7105
R7106
C7103
C7104
C7105
C7107
C7108
C7109

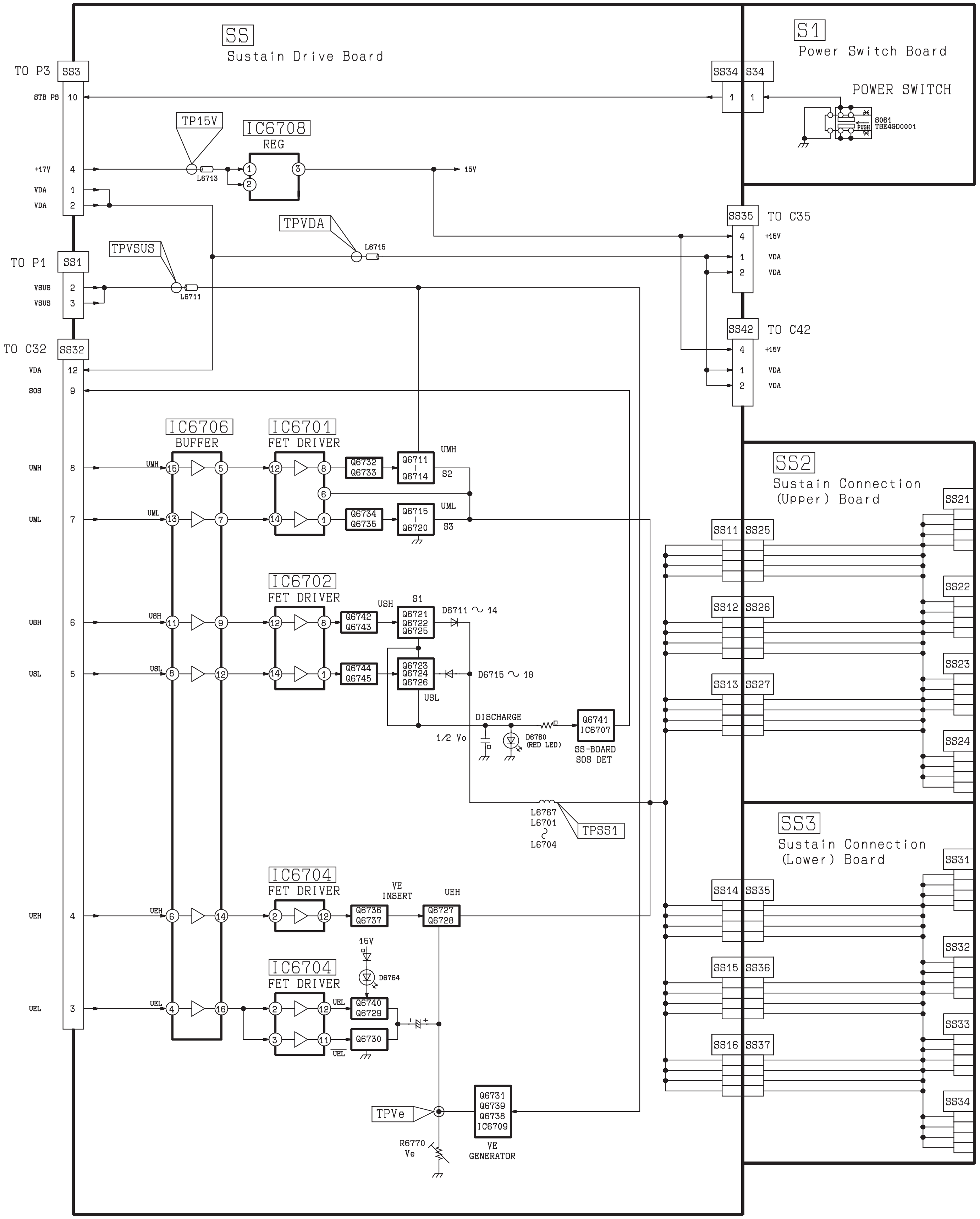

Z
Sound Processor Board
FROM D10
Z10
L IN
R IN
Q2408
L AMP
Q2410
R AMP
Q2406
100Hz LPF
IC2401
SOUND PROCESSOR
L IN
L OUT
R IN
R OUT
B_IN
ADD
MS_IN
SCL
SDA
PORT
Q2302
L AMP
Q2301
R AMP
IC2302
AUDIO AMP
AUDIO OUT (L)
IC2301
AUDIO AMP
AUDIO OUT (R)
MUTE
BOOT
LOUT
GND
ROUT
GND
Z4
Z3
H37
H3
SPEAKER TERMINAL (L)
SPEAKER TERMINAL (R)
FROM D17
Z17
SCL3
SDA3
STB 5V
MUTE
9V
Q2306
POWER ON MUTE
9V
Q2305
MUTE
Q2303
MUTE
Z6
FROM P6
13.5V
13.5V
+13.5Vs
IC2304
REG 9V
9V
13.5V
-13.5Vs


A
B
C
D
E
SU
Scan Out (Upper) Board
SU51
TO SC41
Vf
FSI
FCL
FCLK
PRO
VF5V
A1 A2 A3 A4 A5 A6 A7 A8 A20
A21 A22 A23 A24 A25 A26 A27 A28 A40
Vf
FSI
FCL
FCLK
PRO
VF5V
Vf
SU52
TO SC42
B1 B10 B11 B12 B13 B20
B21 B30 B31 A32 B33 B40
Vf
Vfo
Vfo
IC6401
PDP SCAN DRIVER
IC6402
PDP SCAN DRIVER
IC6403
PDP SCAN DRIVER
IC6404
PDP SCAN DRIVER
IC6405
PDP SCAN DRIVER
IC6406
PDP SCAN DRIVER
Vf
30 31 32 44 45 46 81 82 83 84 87 92 93 94 95
FSI
FCLK
FCL
PRO
FS01
FS02
FS03
FS04
FS05
85 86 89 90 91 88
Vf5
SHIFT RESISTOR
LATCH
SELECTOR
HV01 99
HV02 100
HV03 1
HV63 75
HV64 76
64 PIN OUTPUT
34 35 41 42 78 79 97 98
Vfo
SU1
SU2
SU3
SU4
A50 B50
A49 B49
A48 B48
A17 B17
A16 B16
A34 B34
A33 B33
A2 B2
A1 B1
To 1st 100 pins of SCAN ELECTRODES
To 2nd 100 pins of SCAN ELECTRODES
To 3rd 100 pins of SCAN ELECTRODES
To 4th 100 pins of SCAN ELECTRODES

TH-42PHD5 / TH-42PHW5 SU-Board Block Diagram

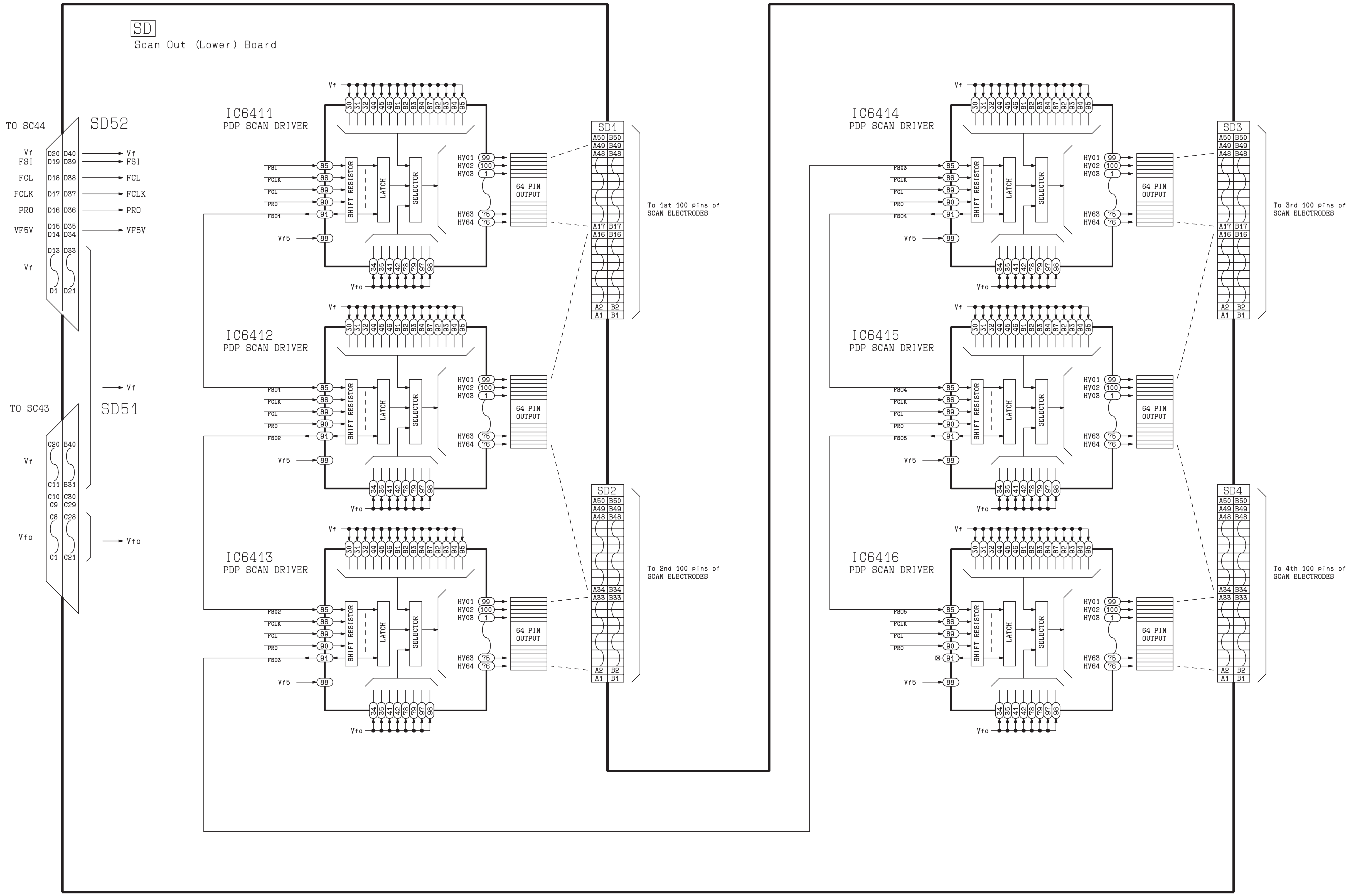
TH-42PHD5 / TH-42PHW5 SU-Board Block Diagram

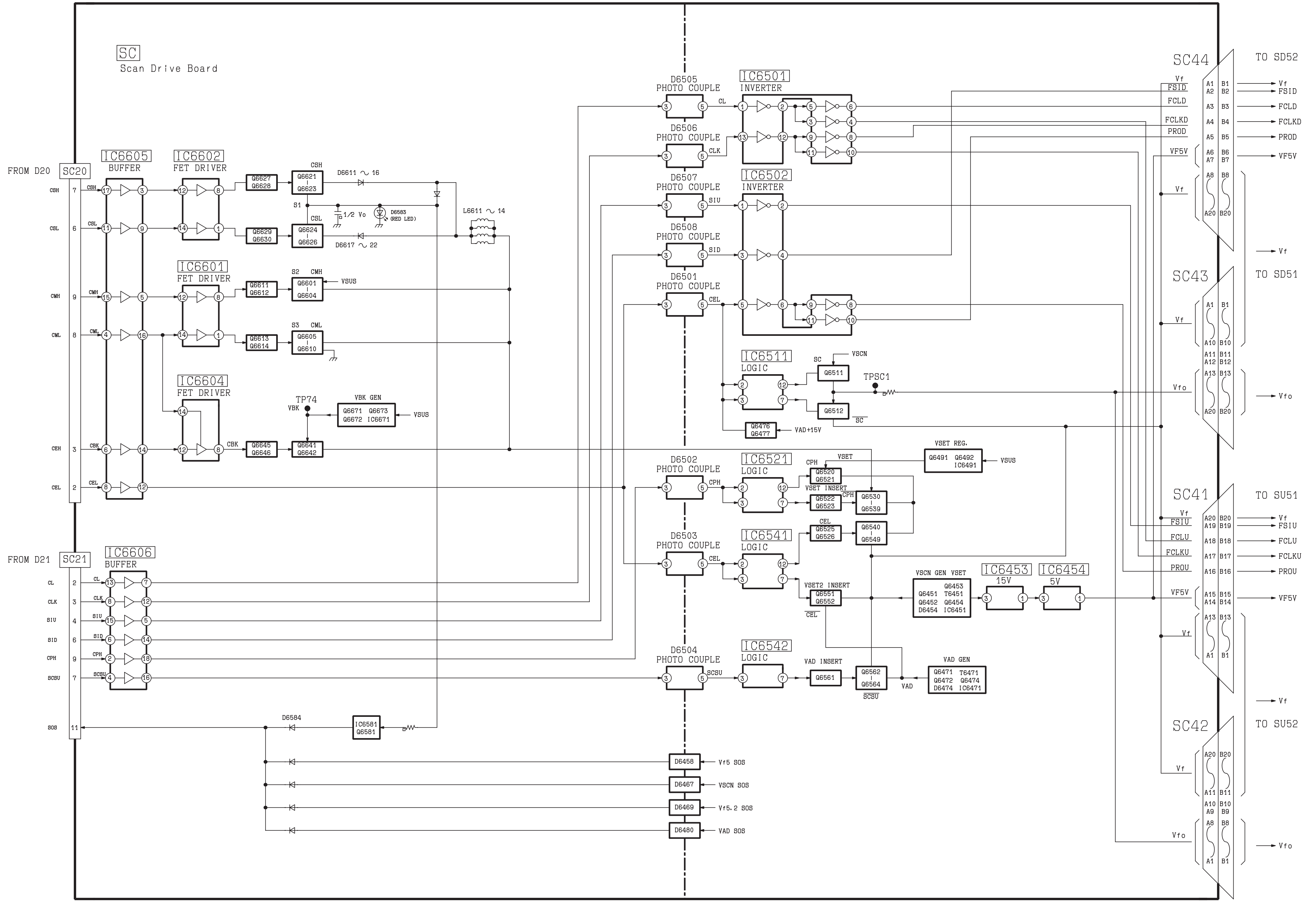
1 2 3 4 5 6 7

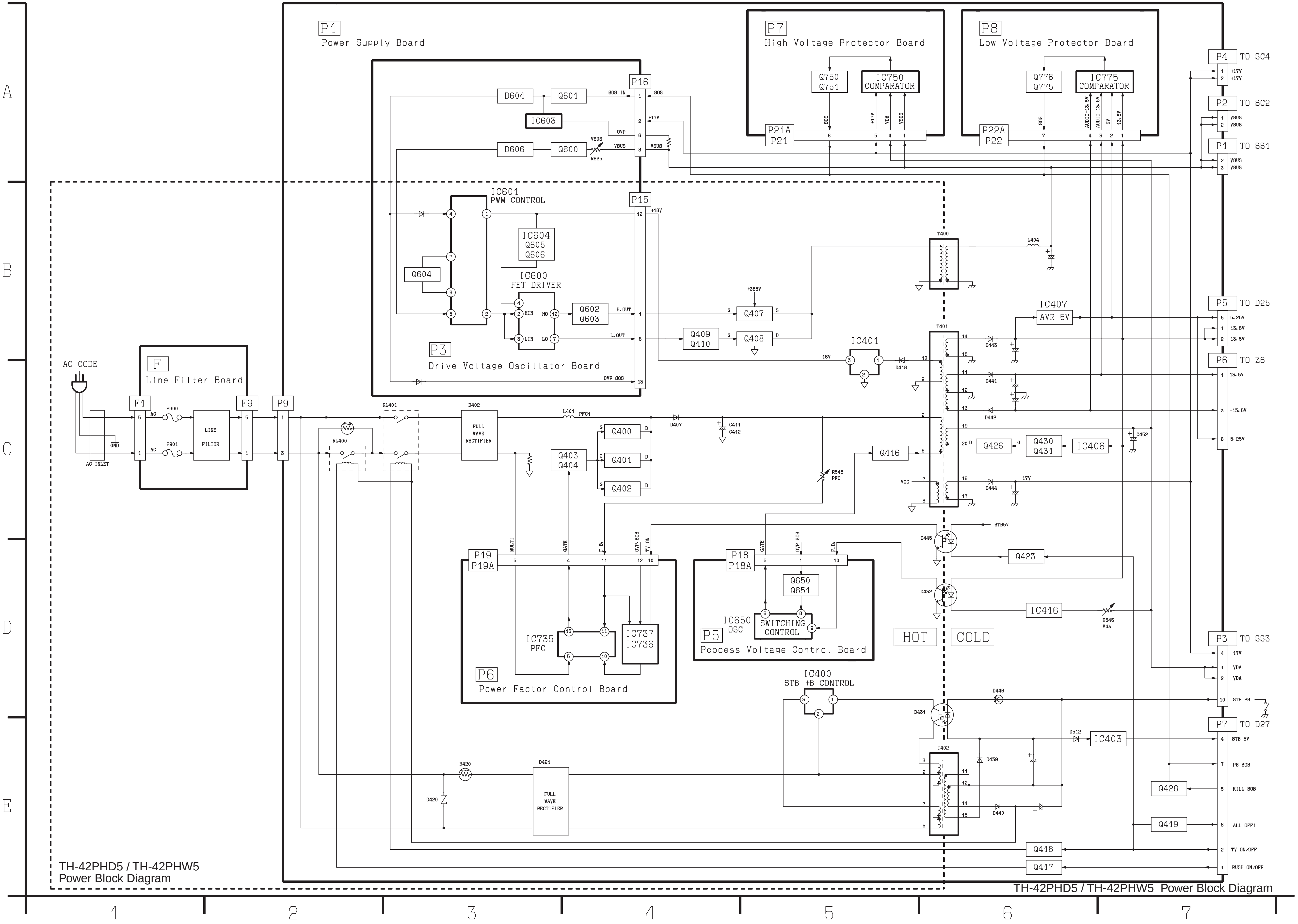

SS
Sustain Drive Board
TO P3
SS3
STB PS
10
+17V
4
VDA
1
VDA
2
TP15V
IC6708
REG
L6713
15V
TPVDA
L6715
TO P1
SS1
TPVSUS
VSUS
VSUS
3
L6711
TO C32
SS32
12
SOS
9
IC6706
BUFFER
IC6701
FET DRIVER
UMH
8
UML
7
Q6732
Q6733
Q6711
Q6714
S2
Q6734
Q6735
Q6715
Q6720
S3
IC6702
FET DRIVER
USH
6
USL
5
Q6742
Q6743
S1
Q6721
Q6722
Q6725
D6711 ~ 14
Q6744
Q6745
Q6723
Q6724
Q6726
D6715 ~ 18
DISCHARGE
1/2 Vo
D6760
(RED LED)
Q6741
IC6707
SS-BOARD
SOS DET
L6767
L6701
L6704
TPSS1
IC6704
FET DRIVER
UEH
VE
INSERT
Q6736
Q6737
Q6727
Q6728
15V
D6764
IC6704
FET DRIVER
UEL
Q6740
Q6729
Q6730
TPVe
Q6731
Q6739
Q6738
IC6709
VE
GENERATOR
R6770
Ve
S1
Power Switch Board
SS34
S34
POWER SWITCH
S061
TSE4GD0001
PUSH
SS35
TO C35
+15V
SS42
TO C42
SS2
Sustain Connection
(Upper) Board
SS21
SS11
SS25
SS22
SS12
SS26
SS23
SS13
SS27
SS24
SS3
Sustain Connection
(Lower) Board
SS31
SS14
SS35
SS32
SS15
SS36
SS33
SS16
SS37
SS34
A
B
C
D
E
1
2
3
4
5
6
7

TH-42PHD5 / TH-42PHW5 SS-Board Block Diagram

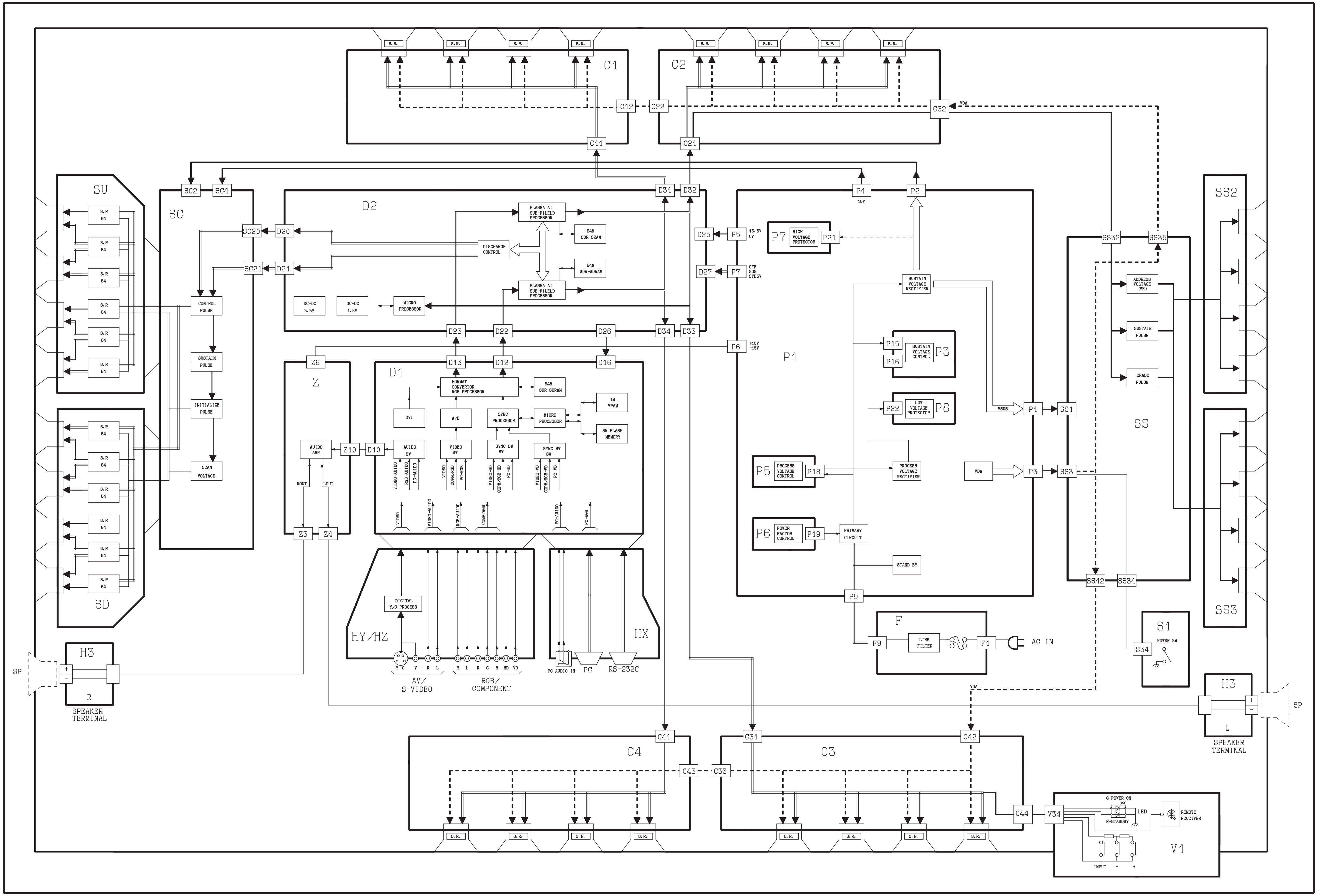
TH-42PHD5 / TH-42PHW5 SS-Board Block Diagram


SD
Scan Out (Lower) Board
TO SC44
SD52
Vf
FSI
FCL
FCLK
PRO
VF5V
D20 D40
D19 D39
D18 D38
D17 D37
D16 D36
D15 D35
D14 D34
D13 D33
D1 D21
TO SC43
SD51
C20 B40
C11 B31
C10 C30
C9 C29
C8 C28
C1 C21
Vfo
IC6411
PDP SCAN DRIVER
IC6412
PDP SCAN DRIVER
IC6413
PDP SCAN DRIVER
IC6414
PDP SCAN DRIVER
IC6415
PDP SCAN DRIVER
IC6416
PDP SCAN DRIVER
SHIFT RESISTOR
LATCH
SELECTOR
64 PIN OUTPUT
HV01
HV02
HV03
HV63
HV64
FSO1
FSO2
FSO3
FSO4
FSO5
Vf5
SD1
SD2
SD3
SD4
A50 B50
A49 B49
A48 B48
A34 B34
A33 B33
A17 B17
A16 B16
A2 B2
A1 B1
To 1st 100 pins of SCAN ELECTRODES
To 2nd 100 pins of SCAN ELECTRODES
To 3rd 100 pins of SCAN ELECTRODES
To 4th 100 pins of SCAN ELECTRODES
A
B
C
D
E
1
2
3
4
5
6
7


SC
Scan Drive Board
FROM D20
SC20
CSH
CSL
CMH
CML
CEH
CEL
IC6605
BUFFER
IC6602
FET DRIVER
IC6601
FET DRIVER
IC6604
FET DRIVER
Q6627 Q6628
Q6629 Q6630
Q6611 Q6612
Q6613 Q6614
Q6645 Q6646
Q6621 Q6623
Q6624 Q6626
Q6601 Q6604
Q6605 Q6610
Q6641 Q6642
D6611 ~ 16
D6617 ~ 22
S1
S2
S3
1/2 Vo
D6583 (RED LED)
L6611 ~ 14
VSUS
TP74
VBK
VBK GEN
Q6671 Q6673
Q6672 IC6671
CBK
FROM D21
SC21
IC6606
BUFFER
CL
CLK
SIU
SID
CPH
SCSU
SOS
D6584
IC6581 Q6581
D6505 PHOTO COUPLE
D6506 PHOTO COUPLE
D6507 PHOTO COUPLE
D6508 PHOTO COUPLE
D6501 PHOTO COUPLE
D6502 PHOTO COUPLE
D6503 PHOTO COUPLE
D6504 PHOTO COUPLE
IC6501
INVERTER
IC6502
INVERTER
IC6511
LOGIC
Q6511
Q6512
VSCN
TPSC1
SC
Q6476 Q6477
VAD+15V
IC6521
LOGIC
VSET
VSET INSERT
Q6520 Q6521
Q6522 Q6523
Q6530 Q6539
VSET REG.
Q6491 Q6492
IC6491
IC6541
LOGIC
Q6525 Q6526
Q6540 Q6549
VSET2 INSERT
Q6551 Q6552
VSCN GEN VSET
Q6451 T6451 Q6453
Q6452 Q6454
D6454 IC6451
IC6453
15V
IC6454
5V
IC6542
LOGIC
VAD INSERT
Q6561
Q6562 Q6564
VAD
VAD GEN
Q6471 T6471
Q6472 Q6474
D6474 IC6471
D6458 Vf5 SOS
D6467 VSCN SOS
D6469 Vf5.2 SOS
D6480 VAD SOS
SC44
TO SD52
Vf
FSID
FCLD
FCLKD
PROD
VF5V
SC43
TO SD51
Vfo
SC41
TO SU51
FSIU
FCLU
FCLKU
PROU
SC42
TO SU52

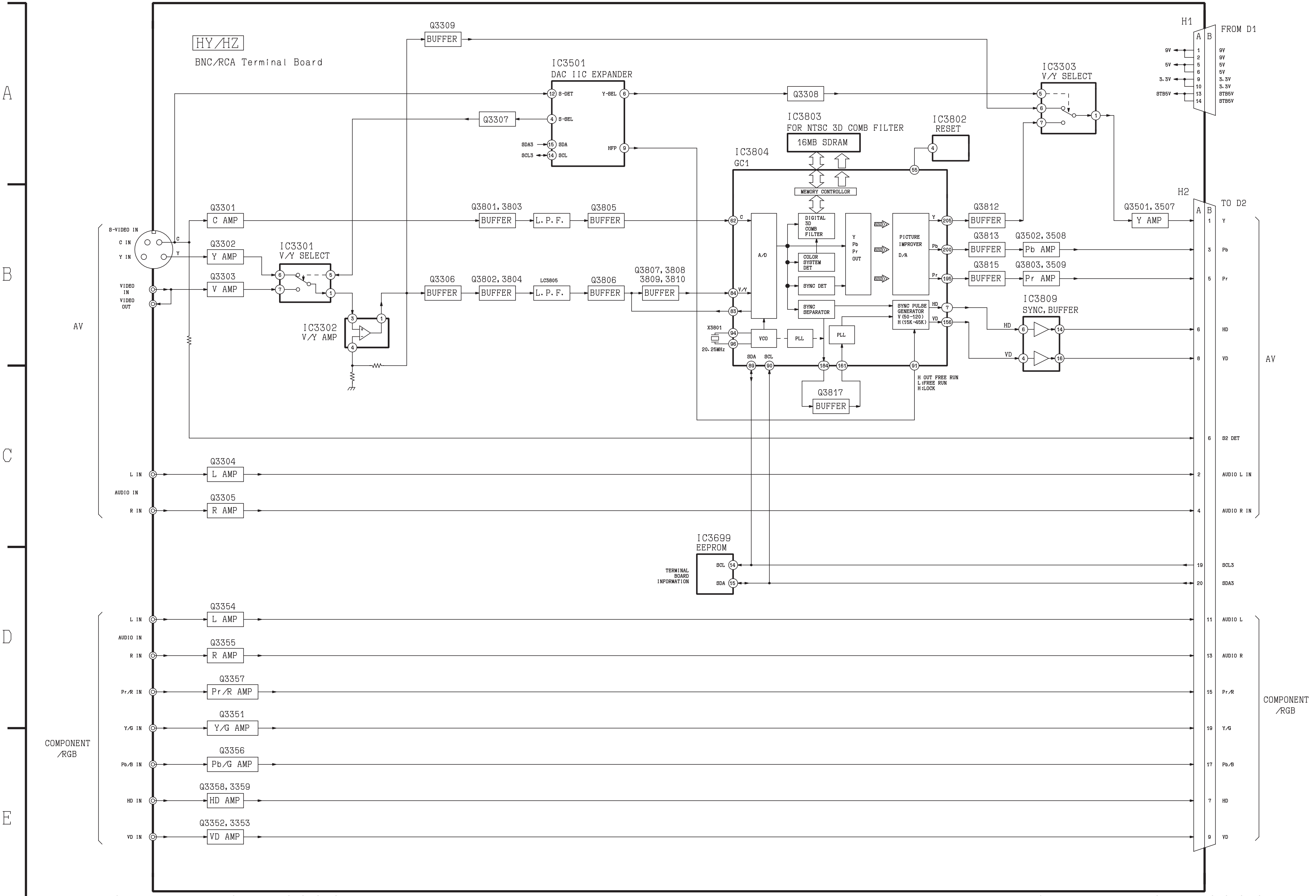

A
B
C
D
E
1
2
3
4
5
6
7
P1
Power Supply Board
P7
High Voltage Protector Board
Q750
Q751
IC750
COMPARATOR
P21A
P21
P8
Low Voltage Protector Board
Q776
Q775
IC775
COMPARATOR
P22A
P22
SOS
+17V
VDA
VSUS
AUDIO-13.5V
AUDIO 13.5V
5V
13.5V
P4
TO SC4
+17V
P2
TO SC2
VSUS
P1
TO SS1
P16
SOS IN
SOS
OVP
+17V
D604
Q601
IC603
D606
Q600
R625
P15
+18V
IC601
PWM CONTROL
IC604
Q605
Q606
IC600
FET DRIVER
Q604
HIN
HO
LIN
LO
Q602
Q603
H.OUT
L.OUT
P3
Drive Voltage Oscillator Board
OVP SOS
+385V
Q407
Q409
Q410
Q408
18V
IC401
D418
T400
L404
T401
IC407
AVR 5V
P5
TO D25
5.25V
13.5V
P6
TO Z6
-13.5V
D443
D441
D442
C452
Q426
Q430
Q431
IC406
Q416
VCC
D444
17V
AC CODE
F
Line Filter Board
F1
F900
F901
AC
LINE
FILTER
F9
P9
GND
AC INLET
RL401
RL400
D402
FULL
WAVE
RECTIFIER
L401
PFC1
D407
C411
C412
Q400
Q401
Q402
Q403
Q404
R548
PFC
STB5V
D445
Q423
D432
IC416
R545
Vda
P19
P19A
MULTI
GATE
F.B.
OVP.SOS
TV ON
IC735
PFC
IC737
IC736
P6
Power Factor Control Board
P18
P18A
OVP SOS
Q650
Q651
IC650
OSC
SWITCHING
CONTROL
P5
Pcocess Voltage Control Board
HOT
COLD
P3
TO SS3
17V
VDA
STB PS
P7
TO D27
STB 5V
PS SOS
KILL SOS
ALL OFF1
TV ON/OFF
RUSH ON/OFF
IC400
STB +B CONTROL
D446
D431
D512
IC403
T402
D439
D440
Q428
Q419
Q418
Q417
R420
D420
D421
TH-42PHD5 / TH-42PHW5
Power Block Diagram

TH-42PHD5 / TH-42PHW5 Power Block Diagram


C1
C2
S.R.
C11
C12
C21
C22
C32
VDA
SU
SC
SC2
SC4
SC20
SC21
S.R
64
CONTROL PULSE
SUSTAIN PULSE
INITIALIZE PULSE
SCAN VOLTAGE
SD
D2
D20
D21
D22
D23
D26
D31
D32
D33
D34
PLASMA AI SUB-FILELD PROCESSOR
64M SDR-SRAM
64M SDR-SDRAM
DISCHARGE CONTROL
DC-DC 3.3V
DC-DC 1.8V
MICRO PROCESSOR
D1
D10
D12
D13
D16
FORMAT CONVERTOR RGB PROCESSOR
DVI
A/D
SYNC PROCESSOR
1M VRAM
8M FLASH MEMORY
AUDIO SW
VIDEO SW
SYNC SW
VIDEO-AUDIO
RGB-AUDIO
PC-AUDIO
VIDEO
COMP/RGB
PC-RGB
VIDEO-HD
COMP/RGB-HD
PC-HD
VIDEO-VD
COMP/RGB-VD
PC-VD
RGB-AUDIO
Z
Z3
Z4
Z6
Z10
AUDIO AMP
ROUT
LOUT
HY/HZ
DIGITAL Y/C PROCESS
Y C V R L
R L R G B HD VD
AV/ S-VIDEO
RGB/ COMPONENT
HX
PC AUDIO IN
PC
RS-232C
H3
SP
R
L
SPEAKER TERMINAL
P1
P2
P4
18V
P5
13.5V 5V
P6
+15V -15V
P7
OFF SOS STB5V
D25
D27
P7 HIGH VOLTAGE PROTECTOR P21
SUSTAIN VOLTAGE RECTIFIER
P15
P16
SUSTAIN VOLTAGE CONTROL
P3
P22
LOW VOLTAGE PROTECTOR
P8
P5 PROCESS VOLTAGE CONTROL P18
PROCESS VOLTAGE RECTIFIER
P6 POWER FACTOR CONTROL P19
PRIMARY CIRCUIT
STAND BY
P9
VSUS
VDA
F
F9
F1
LINE FILTER
AC IN
SS
SS1
SS3
SS32
SS35
SS42
SS34
ADDRESS VOLTAGE (VE)
SUSTAIN PULSE
ERASE PULSE
SS2
SS3
S1
POWER SW
S34
C4
C41
C43
C3
C31
C33
C42
C44
V34
V1
G-POWER ON
LED
R-STABDBY
REMOTE RECEIVER
INPUT - +

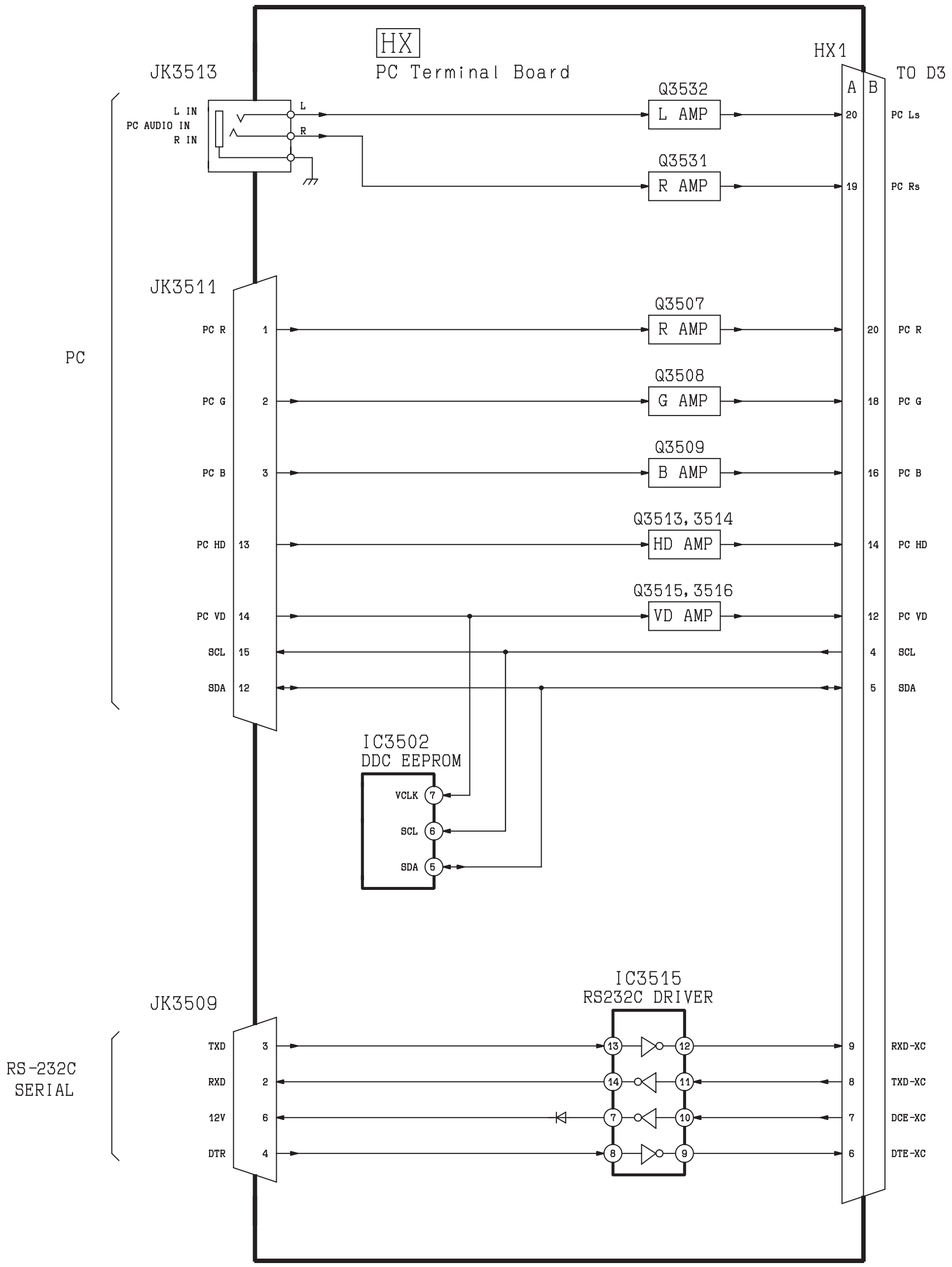
TH-42PHD5 / TH-42PHW5 Main Block Diagram

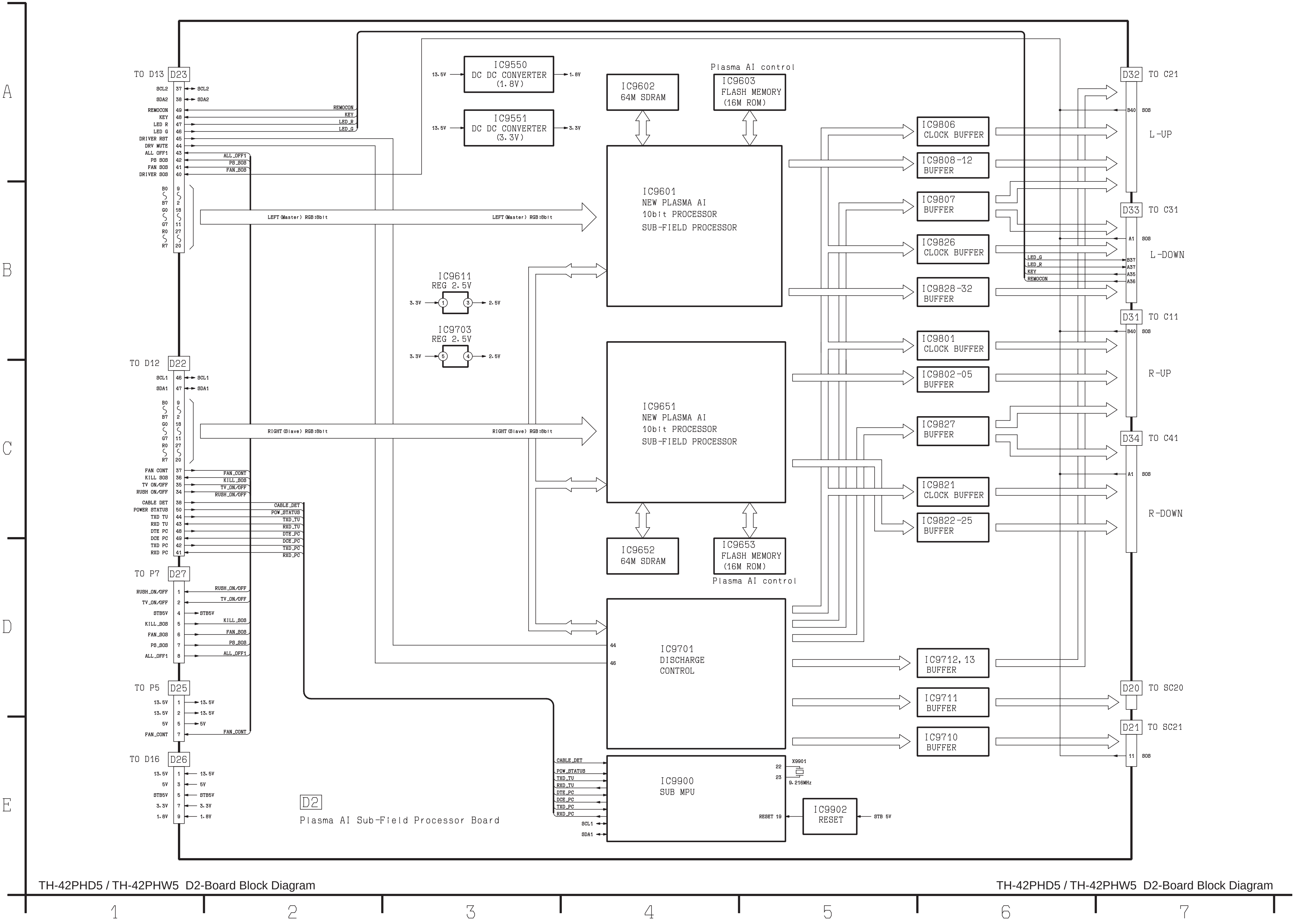
TH-42PHD5 / TH-42PHW5 Main Block Diagram

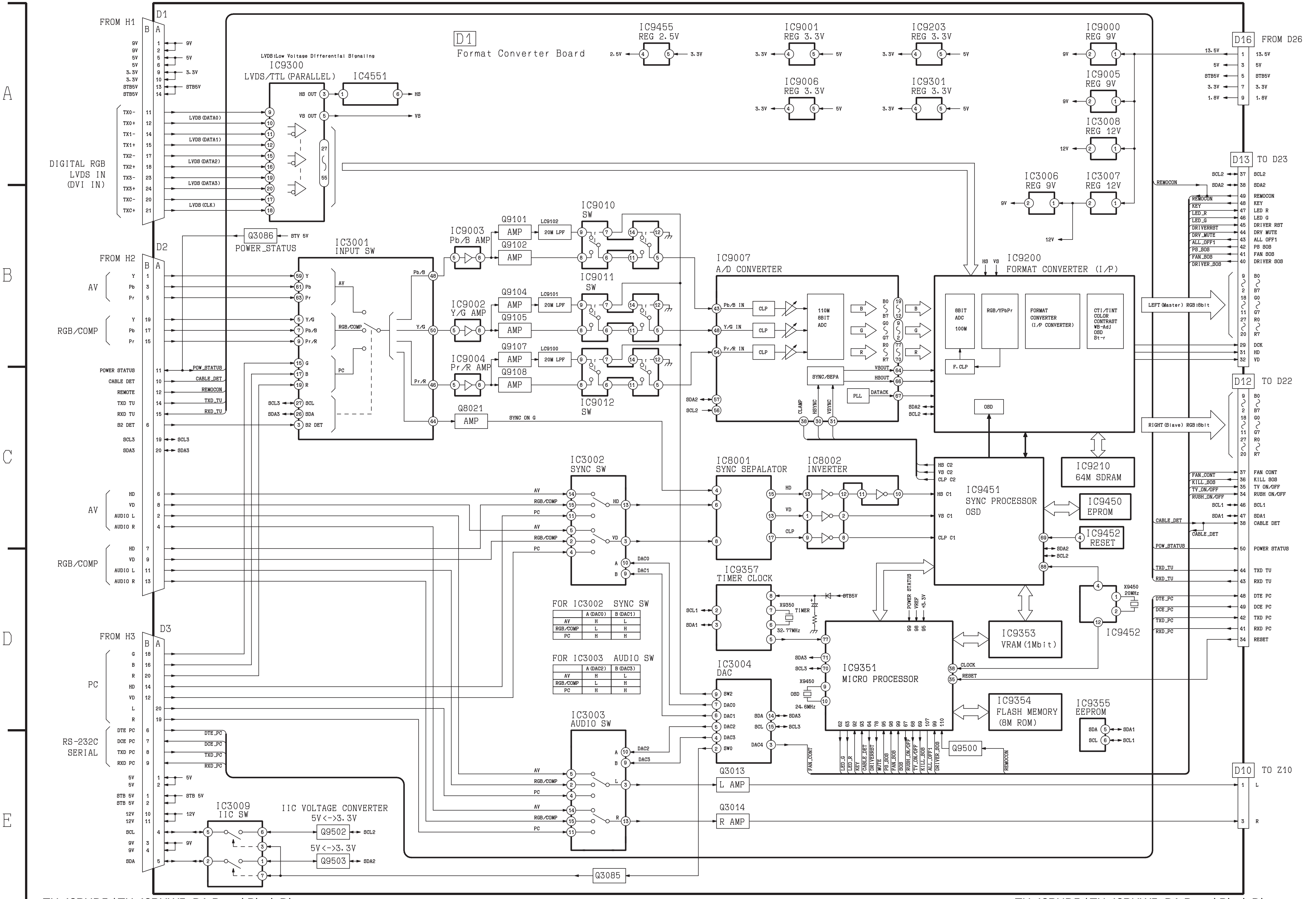

HY/HZ
BNC/RCA Terminal Board
Q3309
BUFFER
IC3501
DAC IIC EXPANDER
S-DET
Y-SEL
S-SEL
SDA3
SCL3
SDA
SCL
HFP
Q3307
Q3308
IC3803
FOR NTSC 3D COMB FILTER
16MB SDRAM
IC3802
RESET
IC3804
GC1
MEMORY CONTROLLOR
A/D
DIGITAL 3D COMB FILTER
COLOR SYSTEM DET
SYNC DET
SYNC SEPARATOR
Y Pb Pr OUT
PICTURE IMPROVER
D/A
SYNC PULSE GENERATOR V(50-120) H(15K-45K)
VCO
PLL
X3801
20.25MHz
H OUT FREE RUN
L:FREE RUN
H:LOCK
Q3817
BUFFER
IC3303
V/Y SELECT
H1
FROM D1
9V
5V
3.3V
STB5V
H2
TO D2
Q3812
Q3813
Q3815
Q3501, 3507
Y AMP
Q3502, 3508
Pb AMP
Q3803, 3509
Pr AMP
IC3809
SYNC, BUFFER
HD
VD
S-VIDEO IN
C IN
Y IN
VIDEO IN
VIDEO OUT
AV
Q3301
C AMP
Q3302
Y AMP
Q3303
V AMP
IC3301
V/Y SELECT
IC3302
V/Y AMP
Q3306
Q3801, 3803
Q3802, 3804
L.P.F.
LC3805
Q3805
Q3806
Q3807, 3808
3809, 3810
L IN
AUDIO IN
R IN
Q3304
L AMP
Q3305
R AMP
IC3699
EEPROM
TERMINAL BOARD INFORMATION
S2 DET
AUDIO L IN
AUDIO R IN
SCL3
SDA3
COMPONENT /RGB
Q3354
Q3355
Q3357
Pr/R AMP
Q3351
Y/G AMP
Q3356
Pb/G AMP
Q3358, 3359
HD AMP
Q3352, 3353
VD AMP
Pr/R IN
Y/G IN
Pb/B IN
HD IN
VD IN
AUDIO L
AUDIO R
Pr/R
Y/G
Pb/B
A
B
C
D
E

TH-42PHD5 / TH-42PHW5 HY and HZ-Board Block Diagram

TH-42PHD5 / TH-42PHW5 HY and HZ-Board Block Diagram


HX
PC Terminal Board
JK3513
L IN
PC AUDIO IN
R IN
L
R
Q3532
L AMP
Q3531
R AMP
HX1
A
B
TO D3
20
PC Ls
19
PC Rs
PC
JK3511
PC R
1
Q3507
R AMP
20
PC R
PC G
2
Q3508
G AMP
18
PC G
PC B
3
Q3509
B AMP
16
PC B
PC HD
13
Q3513,3514
HD AMP
14
PC HD
PC VD
14
Q3515,3516
VD AMP
12
PC VD
SCL
15
4
SCL
SDA
12
5
SDA
IC3502
DDC EEPROM
VCLK
7
SCL
6
SDA
5
JK3509
RS-232C
SERIAL
IC3515
RS232C DRIVER
TXD
3
13
12
9
RXD-XC
RXD
2
14
11
8
TXD-XC
12V
6
7
10
7
DCE-XC
DTR
4
8
9
6
DTE-XC


A
B
C
D
E
1
2
3
4
5
6
7
TO D13
D23
SCL2 37 SCL2
SDA2 38 SDA2
REMOCON 49
KEY 48
LED R 47
LED G 46
DRIVER RST 45
DRV MUTE 44
ALL OFF1 43
PS SOS 42
FAN SOS 41
DRIVER SOS 40
B0 9
B7 2
G0 18
G7 11
R0 27
R7 20
REMOCON
KEY
LED_R
LED_G
ALL_OFF1
PS_SOS
FAN_SOS
LEFT (Master) RGB:8bit
LEFT (Master) RGB:8bit
TO D12
D22
SCL1 46 SCL1
SDA1 47 SDA1
B0 9
B7 2
G0 18
G7 11
R0 27
R7 20
RIGHT (Slave) RGB:8bit
RIGHT (Slave) RGB:8bit
FAN CONT 37
KILL SOS 36
TV ON/OFF 35
RUSH ON/OFF 34
CABLE DET 38
POWER STATUS 50
TXD TU 44
RXD TU 43
DTE PC 48
DCE PC 49
TXD PC 42
RXD PC 41
FAN_CONT
KILL_SOS
TV_ON/OFF
RUSH_ON/OFF
CABLE_DET
POW_STATUS
TXD_TU
RXD_TU
DTE_PC
DCE_PC
TXD_PC
RXD_PC
TO P7
D27
RUSH_ON/OFF 1
TV_ON/OFF 2
STB5V 4 STB5V
KILL_SOS 5
FAN_SOS 6
PS_SOS 7
ALL_OFF1 8
RUSH_ON/OFF
TV_ON/OFF
KILL_SOS
FAN_SOS
PS_SOS
ALL_OFF1
TO P5
D25
13.5V 1 13.5V
13.5V 2 13.5V
5V 5 5V
FAN_CONT 7
FAN_CONT
TO D16
D26
13.5V 1 13.5V
5V 3 5V
STB5V 5 STB5V
3.3V 7 3.3V
1.8V 9 1.8V
D2
Plasma AI Sub-Field Processor Board
13.5V
IC9550
DC DC CONVERTER
(1.8V)
1.8V
13.5V
IC9551
DC DC CONVERTER
(3.3V)
3.3V
IC9611
REG 2.5V
3.3V
1
3
2.5V
IC9703
REG 2.5V
3.3V
5
4
2.5V
IC9602
64M SDRAM
Plasma AI control
IC9603
FLASH MEMORY
(16M ROM)
IC9601
NEW PLASMA AI
10bit PROCESSOR
SUB-FIELD PROCESSOR
IC9651
NEW PLASMA AI
10bit PROCESSOR
SUB-FIELD PROCESSOR
IC9652
64M SDRAM
IC9653
FLASH MEMORY
(16M ROM)
Plasma AI control
IC9701
DISCHARGE
CONTROL
44
46
IC9900
SUB MPU
CABLE_DET
POW_STATUS
TXD_TU
RXD_TU
DTE_PC
DCE_PC
TXD_PC
RXD_PC
SCL1
SDA1
22
23
X9901
9.216MHz
RESET 19
IC9902
RESET
STB 5V
IC9806
CLOCK BUFFER
IC9808-12
BUFFER
IC9807
BUFFER
IC9826
CLOCK BUFFER
IC9828-32
BUFFER
IC9801
CLOCK BUFFER
IC9802-05
BUFFER
IC9827
BUFFER
IC9821
CLOCK BUFFER
IC9822-25
BUFFER
IC9712, 13
BUFFER
IC9711
BUFFER
IC9710
BUFFER
D32
TO C21
B40 SOS
L-UP
D33
TO C31
A1 SOS
L-DOWN
LED_G
LED_R
KEY
REMOCON
B37
A37
A35
A36
D31
TO C11
B40 SOS
R-UP
D34
TO C41
A1 SOS
R-DOWN
D20
TO SC20
D21
TO SC21
11 SOS


D1
Format Converter Board
FROM H1
DIGITAL RGB LVDS IN (DVI IN)
LVDS:Low Voltage Differential Signaling
IC9300 LVDS/TTL (PARALLEL)
IC4551
HS OUT
VS OUT
LVDS (DATA0)
LVDS (DATA1)
LVDS (DATA2)
LVDS (DATA3)
LVDS (CLK)
Q3086 POWER_STATUS
FROM H2
AV
RGB/COMP
IC3001 INPUT SW
PC
IC9003 Pb/B AMP
IC9002 Y/G AMP
IC9004 Pr/R AMP
Q9101 AMP
Q9102 AMP
Q9104 AMP
Q9105 AMP
Q9107 AMP
Q9108 AMP
LC9102 20M LPF
LC9101 20M LPF
LC9100 20M LPF
IC9010 SW
IC9011 SW
IC9012 SW
Q8021 AMP
SYNC ON G
IC9455 REG 2.5V
IC9001 REG 3.3V
IC9203 REG 3.3V
IC9006 REG 3.3V
IC9301 REG 3.3V
IC9000 REG 9V
IC9005 REG 9V
IC3008 REG 12V
IC3006 REG 9V
IC3007 REG 12V
D16 FROM D26
D13 TO D23
D12 TO D22
D10 TO Z10
IC9007 A/D CONVERTER
CLP
110M 8BIT ADC
SYNC/SEPA
PLL
IC9200 FORMAT CONVERTER (I/P)
8BIT ADC 100M
RGB/YPbPr
FORMAT CONVERTER (I/P CONVERTER)
CTI/TINT COLOR CONTRAST WB-Adj OSD St-r
F.CLP
OSD
LEFT (Master) RGB:8bit
RIGHT (Slave) RGB:8bit
IC9210 64M SDRAM
IC3002 SYNC SW
IC8001 SYNC SEPALATOR
IC8002 INVERTER
IC9451 SYNC PROCESSOR OSD
IC9450 EPROM
IC9452 RESET
IC9357 TIMER CLOCK
32.77MHz
X9350 TIMER
X9450 20MHz
IC9353 VRAM (1Mbit)
IC9351 MICRO PROCESSOR
24.6MHz
IC9354 FLASH MEMORY (8M ROM)
IC9355 EEPROM
Q9500
IC3004 DAC
IC3003 AUDIO SW
Q3013 L AMP
Q3014 R AMP
FROM H3
PC
RS-232C SERIAL
IC3009 IIC SW
IIC VOLTAGE CONVERTER 5V<->3.3V
Q9502
5V<->3.3V
Q9503
Q3085
A B C D E
1 2 3 4 5 6 7

FOR IC3002 SYNC SW

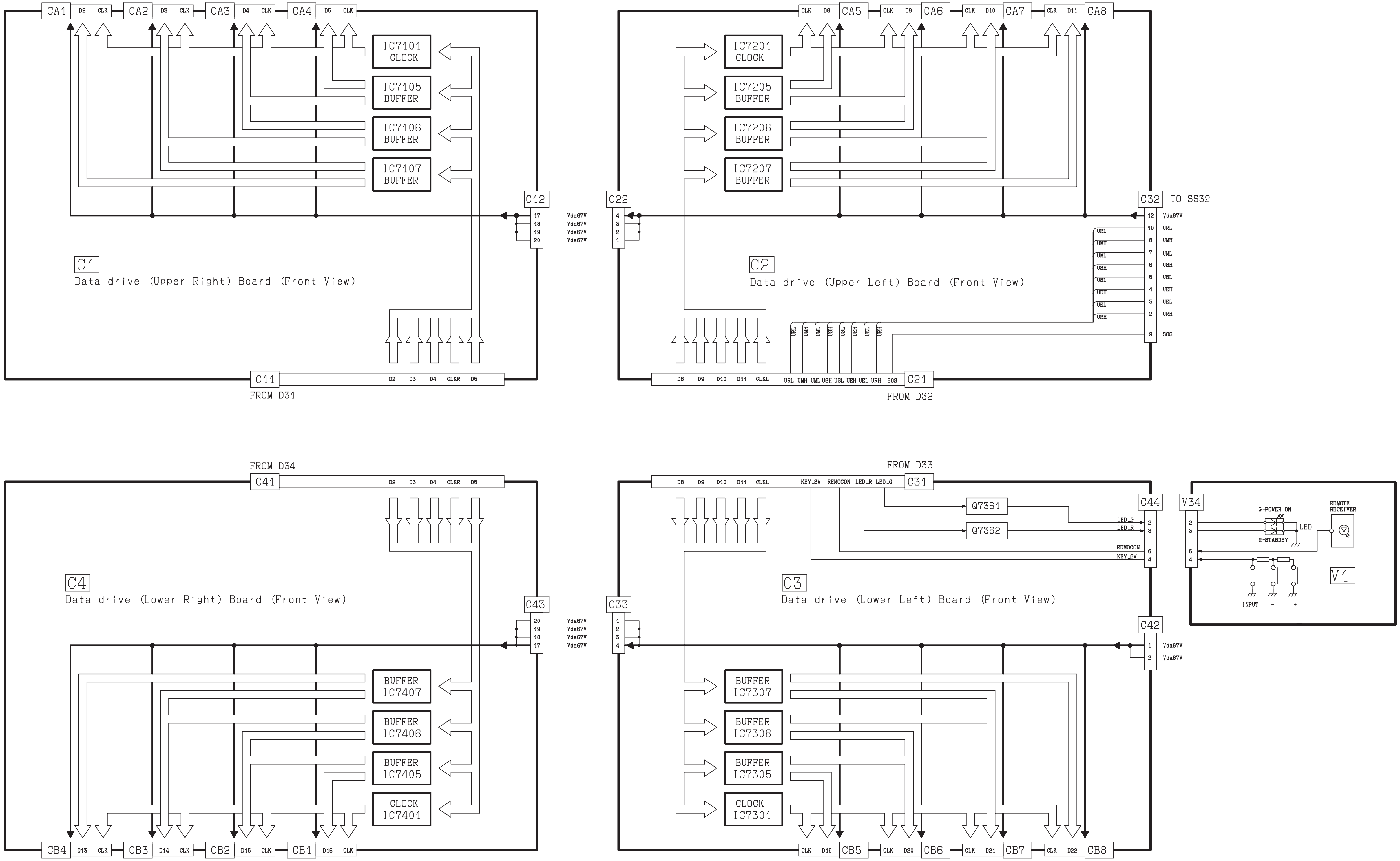
	A (DAC0)	B (DAC1)
AV	H	L
RGB/COMP	L	H
PC	H	H

FOR IC3003 AUDIO SW

	A (DAC2)	B (DAC3)
AV	H	L
RGB/COMP	L	H
PC	H	H

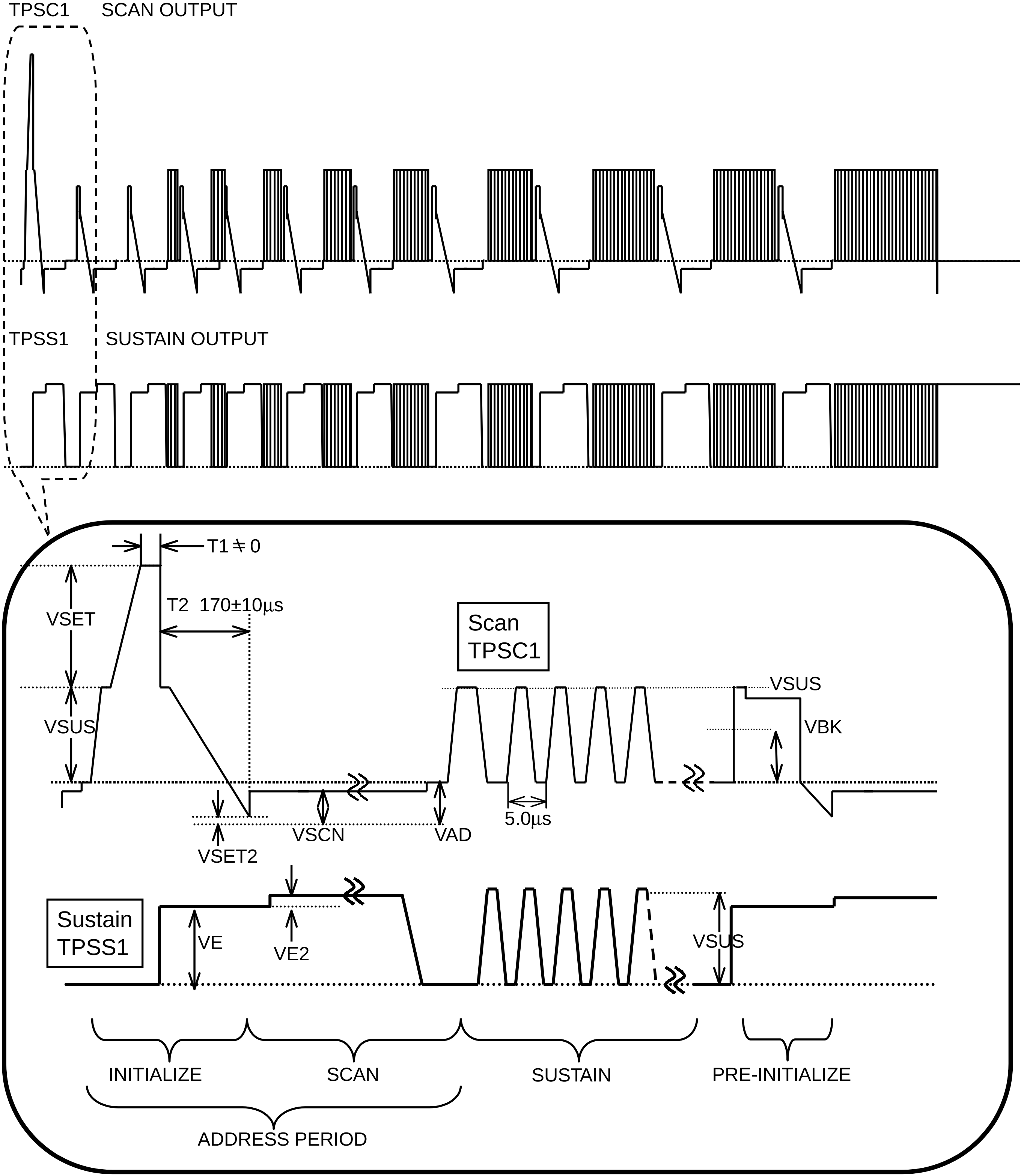
TH-42PHD5 / TH-42PHW5 D1-Board Block Diagram

TH-42PHD5 / TH-42PHW5 D1-Board Block Diagram


CA1 D2 CLK
CA2 D3 CLK
CA3 D4 CLK
CA4 D5 CLK
IC7101 CLOCK
IC7105 BUFFER
IC7106 BUFFER
IC7107 BUFFER
C12
17 18 19 20
Vda67V
C1
Data drive (Upper Right) Board (Front View)
C11
FROM D31
D2 D3 D4 CLKR D5
CLK D8 CA5
CLK D9 CA6
CLK D10 CA7
CLK D11 CA8
IC7201 CLOCK
IC7205 BUFFER
IC7206 BUFFER
IC7207 BUFFER
C22
4 3 2 1
C32 TO SS32
12 Vda67V
10 URL
8 UMH
7 UML
6 USH
5 USL
4 UEH
3 UEL
2 URH
9 SOS
C2
Data drive (Upper Left) Board (Front View)
D8 D9 D10 D11 CLKL URL UMH UML USH USL UEH UEL URH SOS
C21
FROM D32
FROM D34
C41
D2 D3 D4 CLKR D5
C4
Data drive (Lower Right) Board (Front View)
C43
20 19 18 17
Vda67V
BUFFER IC7407
BUFFER IC7406
BUFFER IC7405
CLOCK IC7401
CB4 D13 CLK
CB3 D14 CLK
CB2 D15 CLK
CB1 D16 CLK
FROM D33
D8 D9 D10 D11 CLKL KEY_SW REMOCON LED_R LED_G
C31
Q7361
Q7362
C44
LED_G 2
LED_R 3
REMOCON 6
KEY_SW 4
C33
1 2 3 4
C3
Data drive (Lower Left) Board (Front View)
C42
1 Vda67V
2 Vda67V
BUFFER IC7307
BUFFER IC7306
BUFFER IC7305
CLOCK IC7301
CLK D19 CB5
CLK D20 CB6
CLK D21 CB7
CLK D22 CB8
V34
2 3 6 4
G-POWER ON
LED
R-STABDBY
REMOTE RECEIVER
V1
INPUT - +

TH-42PHD5 / TH-42PHW5 C1, C2, C3 and C4-Board Block Diagram

TH-42PHD5 / TH-42PHW5 C1, C2, C3 and C4-Board Block Diagram


TPSC1
SCAN OUTPUT
TPSS1
SUSTAIN OUTPUT
T1 ≠ 0
T2 170±10μs
VSET
VSUS
Scan
TPSC1
VSUS
VBK
VSCN
VAD
VSET2
5.0μs
Sustain
TPSS1
VE
VE2
VSUS
INITIALIZE
SCAN
SUSTAIN
PRE-INITIALIZE
ADDRESS PERIOD